

IRRIGATION DEPARTMENT, BENGAL.

Abstract Statement showing the approximate volume of Traffic and the Tollage on Canals in Bengal classed as Major Works and Minor Works and Navigation for the month of October 1919, as compared with the corresponding month of the previous year.

Canals.	1919-20.					
	WEIGHT OF CARGO.		RAFTS.		TOLLAGE.	
	During the month.	To end of the month.	During the month.	To end of the month.	During the month.	To end of the month.
<i>I.—Major Works.</i>	Tons.	Tons.	No.	No.	Rs.	Its.
Midnapore Canal ...	4,943	48,226	1,825	9,379	3,043	25,281
Hijili Tidal Canal ...	10,809	69,752	292	2,854	7,244	53,979
Total ...	15,752	117,978	2,117	12,233	10,287	79,260
<i>II.—Minor Works and Navigation.</i>						
Calcutta and Eastern Canals ...	45,766	262,400	1,460	8,840	26,769	1,64,810
Tolly's Nala ...	15,226	118,208	23,100	99,427	5,216	40,701
Madaripur Bheel ...	142,986	823,565	6,618	7,669	36,804	1,93,375
Total ...	203,978	1,204,173	31,178	115,936	68,789	3,98,886
Magrahat Channels...	5,409	40,082	100	100	1,681	13,547
Orissa Coast Canal ...	4,102	28,574	1,818	4,393	1,182	8,089
Nadia Rivers ...	4,063	30,051	129,700	561,393	1,154	6,562
GRAND TOTAL ...	217,552	1,302,880	162,796	681,822	72,806	4,27,104

Canals.	1918-19.					
	WEIGHT OF CARGO.		RAFTS.		TOLLAGE.	
	During the month.	To end of the month.	During the month.	To end of the month.	During the month.	To end of the month.
<i>I.—Major Works.</i>	Tons.	Tons.	No.	No.	Rs.	Rs.
Midnapore Canal ...	6,423	58,501	45	4,445	3,493	33,953
Hijili Tidal Canal ...	7,550	51,114	77	1,279	6,187	45,069
Total ...	13,973	109,615	122	5,724	9,680	79,022
<i>II.—Minor Works and Navigation.</i>						
Calcutta and Eastern Canals ...	53,038	296,964	1,650	14,895	29,716	1,78,813
Tolly's Nala ...	27,390	130,027	6,200	46,772	9,477	46,170
Madaripur Bheel ...	168,845	1,019,423	6,405	7,436	41,726	2,28,616
Total ...	249,268	1,446,414	14,255	69,103	80,919	4,53,601
Magrahat Channels ...	7,055	31,897	...	...	2,594	15,186
Orissa Coast Canal ...	3,810	25,470	957	6,774	1,522	9,156
Nadia Rivers ...	8,316	55,201	92,340	473,107	1,967	11,987
GRAND TOTAL ...	268,449	1,558,982	107,552	548,984	87,002	4,89,929

CALCUTTA,
The 9th December 1919.

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Eastern Canals for the week ending Saturday, the 6th December 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 6TH DECEMBER 1919.			WEEK ENDING SATURDAY, THE 7TH DECEMBER 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	1,095	44,535	725	974	131,290	2,344
Jute ...	243	92,203 ^a	1,097	155	80,167 [†]	899
Firewood ...	64	34,525	509	74	38,175	567
Other articles ...	678	1,74,287	2,040	756	171,532	2,405
Total ...	2,080	3,45,550	4,371	1,959	421,104	6,215
Empty boats and rafts ...	420	...	1,205	657	...	1,541
GRAND TOTAL	2,500	3,45,550	5,576	2,616	421,104	7,756

Mds.
^a Weight by canal measurement ... 101,737[†]
[†] Ditto ditto ... 88,162[†]

CALCUTTA,

The 9th December 1919.

G. J. ST. C. SEDGLEY,

Under-Secy. to the Govt. of Bengal.

Statement showing the gauge-readings at Dacca Water-works Station on the river Buriganga for the week ending the 22nd November 1919.

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
16th Nov.	57.6	...	...	12—10	57.5	57.7	F. T. at 12-30.
17th "	57.7	6—30	57.8	13—55	57.1	57.3	E. T. at 6-35, and F. T. at 14-15.
18th "	57.45	7—15	57.5	16—0	56.8	56.95	E. T. at 7-30 and F. T. at 16-10.
19th "	57.0	8—0	57.3	16—50	56.45	56.45	E. T. at 8-10 and F. T. at 17-5.
20th "	56.9	8—45	57.2	17—30	56.28	56.34	E. T. at 9, and F. T. at 17-40.
21st "	56.75	9—20	57.15	...	...	56.3	E. T. at 9-32.
22nd "	56.6	10—10 ^f	57.3	...	...	56.5	E. T. at 10-30.

Notable high and low water-levels of previous years.

27th August	1906	70.5	Taken at high tide.
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	67.86
1st "	1911	...	...	...	68.46
18th "	1912	...	...	...	67.16
31st "	1915	...	...	...	67.7
18th "	1916	68.1	Taken at low tide.
12th "	1917	...	...	...	67.1
31st "	1918	...	...	...	69.12
23rd February	1907	...	...	...	51.06
13th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	...	...	...	50.60
22nd February	1915	...	...	...	50.30
15th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	...	...	...	51.40

DACCA,

The 26th November 1919.

W. J. KERR,

Executive Engr., Dacca Division.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 29th November 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
23rd November ...	8 A.M.	Zero of gauge is at mean sea level.	42.55	40.81	B. M. on College step corrected, 64.93.
24th " ...	8 "		42.40	40.71	
25th " ...	8 "		42.30	40.61	
26th " ...	8 "		42.15	40.51	
27th " ...	8 "		42.05	40.46	
28th " ...	8 "		41.90	40.36	
29th " ...	8 "		41.75	40.31	

(a) P. W. D. datum 6.25 feet above Kidderpore old dock sill.

			Old value.	According to P. W. D. datum.
The previous year ...	Highest water-level ...	66.52 on 30th August 1918	...	61.71
Ditto ...	Lowest " ...	41.70 on 21st April 1918	...	36.89
Record ...	Highest " ...	69.25 on 26th August 1879	...	64.44
Do. ...	Ditto " ...	69.08 on 9th September 1885	...	64.27
Do. ...	Ditto " ...	68.30 on 25th August 1906	...	63.47
Do. ...	Ditto " ...	68.21 on 26th August 1890	...	63.40
Do. ...	Lowest " ...	37.63 on 25th April 1884	...	32.82
Do. ...	Ditto " ...	38.13 on 14th-16th April 1883	...	33.32
Do. ...	Ditto " ...	39.02 on 21st-22nd April 1897	...	34.21
Do. ...	Ditto " ...	39.28 on 6th-7th May 1906	...	34.47

N.B.—The gauge-readings commenced from 1st August 1897.

BOALIA,
The 29th November 1919.

M. SENGUPTA,
Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra for the week ending 29th November 1919.

Mouth and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
23rd November	7 A.M.	12.5	12.5	11.6	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpur ghât. Its reduced level is 22.41.
24th " ...	7 "	12.5	12.5	11.5	
25th " ...	7 "	12.3	12.3	11.2	
26th " ...	7 "	12.2	12.2	10.9	
27th " ...	7 "	12.0	12.0	10.6	
28th " ...	7 "	11.8	11.8	10.3	
29th " ...	7 "	11.6	11.6	10.2	

The previous year ...	Highest water-level ...	25.2 on 1st September 1918.
Ditto ...	Lowest " ...	5.3 on 9th March 1918.
Record (H.F. in Brahmaputra and Ganges) ...	Highest " ...	25.76 on 28th August 1910.
Record (average flood in Brahmaputra and Ganges) ...	Ditto " ...	25.74 on 20th and 21st August 1893.
Record (H.F. in Brahmaputra and Ganges) ...	Ditto " ...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Record (H.F. in Brahmaputra only) ...	Ditto " ...	25.66 on 31st July 1900.
Do. ...	Lowest " ...	1.0 on 8th February 1914.
Do. ...	Ditto " ...	2.42 on 18th March 1908.
Do. ...	Ditto " ...	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do. ...	Ditto " ...	3.16 on 3th to 11th March 1886.
Do. ...	Ditto " ...	3.16 on 16th, 17th and 29th to 31st March 1901.

FARIDPUR,
The 29th November 1919.

R. K. GHOSE,
for Subdivisional Officer, P. W. D., Faridpur.



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WEDNESDAY, DECEMBER 17, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

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CONTENTS.

	Page.		Page.
Resolution on the Annual Irrigation Revenue Report for the year 1918-19	1438—1437	Heights over mean sea-level and low water in the rivers for the month of October 1919	1446—1447
Prices-current (wholesale and retail) of food-grains and salt, etc., in the districts of Bengal for the second-half of November 1919	1438—1445	Statement of weekly gauge readings on the rivers in Bengal	1448—1449

RESOLUTION ON THE ANNUAL IRRIGATION REVENUE REPORT FOR THE YEAR 1918-19.

GOVERNMENT OF BENGAL.

IRRIGATION DEPARTMENT.

CALCUTTA, THE 11TH DECEMBER 1919.

RESOLUTION—No. 53897.

READ—

The Annual Irrigation Revenue Report for the year 1918-19.

The Major Irrigation Works in Bengal are the Midnapore and Hijli Tidal Canals. The works are in operation. The **Minor Works** for navigation are the Calcutta and Eastern Canals, the Madaripur Bil Route, a portion of the Orissa Coast Canal, the Nadia Rivers and the Gaighatta and Baxi khal. The only irrigation work of this class is the Eden Canal. Training works on the rivers Ganges, Bhagirathi, Dhaleswari and Buriganga and anti-malarial drainage works carried out by this department at the cost of Government are classed under this head.

2. The capital outlay on the Major Works to the end of March 1919 amounted to Rs. 1,11,14,189. The works constructed for this outlay comprise two weirs across the Cossye River at Midnapore and at Panchkura and 98.75 miles of main and branch canals, of which 69.75 miles provide for both irrigation and navigation and 29 miles for navigation only; there are in addition 254.5 miles of distributaries. The Terapakia Pass khal, Palaboni khal and the khal leading to the Gewankhali Lock entrance, of which the aggregate length is 20.75 miles, are also maintained for navigation and included as part of the Hijli Tidal Canal. During the year under review no addition was made to the length of the canals or distributaries.

3. The total receipts from the Major Works amounted to Rs. 3,04,605 and the working expenses to Rs. 2,42,463, the result being a net revenue of Rs. 62,142 against Rs. 97,363 in the preceding year. This result is chiefly due to the increase in working expenses of the Hijli Tidal Canal consequent on the silt clearance of Range I, for which purpose the canal had to be closed to traffic for about a month and a half. The general revenues of these canals, which depend considerably upon receipts from navigation, have suffered of late years from railway competition. During the year under review there was, however, some increase in navigation receipts due to the diversion, as in the previous year, of traffic from the railway to the canals owing to restriction on rail-borne goods traffic due to causes arising out of the war.

4. The area irrigated during the year was 80,749 acres as compared with 87,507 acres in 1917-18, and an average of 85,661 acres for the triennium ending March 1918. The decrease was due to seasonable and well distributed rainfall at the commencement of the kharif season.

5. The capital outlay on canals classed as **Minor Works and Navigation** was Rs. 4,02,781 during the year and Rs. 1,41,45,885 to end of the year. The receipts for the year amounted to Rs. 8,87,323 and the working expenses to Rs. 5,72,777.

The financial results of the year and the capital expenditure to date are exhibited in the following statement :—

	CAPITAL EXPENDITURE, DIRECT AND INDIRECT.		Receipts of the year less refunds.	Expenditure of the year less refunds.	Net revenue of the year.	Net revenue of the previous year.
	Of the year.	To end of the year.				
<i>Minor Works and Navigation.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Calcutta and Eastern Canals ...	64,864	97,33,054	4,75,974	3,81,911	94,063	—93,835
Madaripur Bil Route ...	3,37,897	43,59,793	3,50,251	80,367	2,69,884	2,63,058
Orissa Coast Canal ...	...	...	17,098	9,666	7,432	—17,119
Nadia Rivers ...	...	...	19,950	48,074	—28,124	—82,510
Gaighatta and Baxi Khal ...	...	...	1,450	459	991	2,387
Eden Canal ...	...	...	22,600	52,101	—29,501	9,557
Grand Trunk Canal ...	...	53,038	...	...	...	...
Total ...	4,02,781	1,41,45,885	8,87,323	5,72,578	3,14,745	81,534

6. **The Calcutta and Eastern Canals** form a series of navigable channels mostly natural but partly artificial, by which communication is maintained between Calcutta and Eastern Bengal. The receipts from navigation tolls amounted to Rs. 4,53,867 as compared with Rs. 3,46,216 in the preceding year. The capital outlay incurred during the year was expended principally, as in the three previous years, on the improvement of the Gabkhan-Bharani khal from Chōwkhatta to Jhalakati, which was completed during the year at a total cost of Rs. 7,36,535 for works only. This channel which has been improved in order to avoid the tortuous and dangerous route *via* the Angeria khal, will now form a link in the main route for steamers between Khulna and Barisal. Capital expenditure was also incurred during the year on the excavation of the Kankrabunia khal in the western Sundarbans, which, when

completed, will serve as an alternative to the Doogra Channel which is rapidly dying.

7. The capital expenditure during the year on the **Madaripur Bil Route**, which connects the Madhumati and Kumar rivers in the district of Faridpur, was incurred chiefly on (1) the improvement of the Lower Kumar river, including easing bends therein, and (2) the construction of an embankment with sluices along the south bank of the channel. The completion report of the project received the approval of the Secretary of State in June 1919. The construction estimate has been closed with effect from the 31st March 1917. These works paid a return of 6·9 per cent. in 1916-17, 6·5 per cent. in 1917-18, and 6·2 per cent. in 1918-19. No less than 5,880 steamers and flats made use of this route during the year under review transporting 424 lakhs of maunds of cargo.

8. **The Orissa Coast Canal** in conjunction with the Hijli Tidal Canal affords communication between Bengal and Orissa, and previous to the opening of the Bengal-Nagpur Railway was the only inland route by which supplies of food could be conveyed into Orissa in time of famine. This canal, which is intended for navigation only, now lies partly (*i.e.*, for a length of 45 miles) in this presidency and partly in the province of Bihar and Orissa. The receipts and working expenses (direct and indirect) for the portion within Bengal were, respectively, Rs. 17,098 and Rs. 9,666 as against Rs. 14,587 and Rs. 31,706 in the year 1917-18. The increased receipts were due to the diversion of railway traffic to the canal. The decrease in working expenses was due to the fact that no extensive repairs to the locks, etc., were necessary during the year.

9. The work in the **Nadia Rivers** consists in the training of the river channels by bandals with the two-fold object of maintaining by the scouring of shoals a sufficient depth of water for boat traffic and at the same time improving the sanitation of the country. The former object is only partially attained, but the work done is of use in the interests of sanitation. The committee appointed in February 1917 to consider the report on the Nadia Rivers submitted by Major F. C. Hirst, I.A., Director of Surveys, Bengal, and to advise Government upon the steps to be taken to carry out systematic observations of the changes in the Nadia Rivers, and also, if possible, to improve their condition as navigable channels and as feeders for the Lower Hooghly, have since submitted their report; and it is now before Government. The receipts and working expenses of the Nadia Rivers were Rs. 19,950 and Rs. 48,074, respectively, as against Rs. 16,667 and Rs. 99,187 in the preceding year. Though there has been a slight increase in receipts during the year, it is not likely that, with the growth of railway lines on either bank of the Bhagirathi, and the continued inefficiency of these rivers for the purpose of navigation, in addition to reduction in the rates of tollage from 1906, this system will ever pay its working expenses.

10. **The Gaighatta and Baxi Khal** is a short channel connecting the rivers Damodar and Rupnarain. A sum of Rs. 459 was spent during the year on the upkeep of the khal. The collection of tolls on boat traffic was leased out for two years from 1st April 1917 to 31st March 1919 at a rental of Rs. 3,400 per annum. Owing to restricted boat navigation during the year on account of the silted up condition of the channel, a remission of rent had to be granted to the lessee, and the rent realised amounted to Rs. 1,450 only.

11. **The Eden Canal** was originally constructed for sanitary reasons, but it is now used to some extent for irrigation. It was worked during the year at a loss of Rs. 29,501, against a profit of Rs. 9,557 in the preceding year. This was due to a decrease in the area irrigated during the year, and to an increase in the cost of maintaining the canal including the cost of new works taken up and completed.

12. The work in connection with **the Improvement of the Bidyadhari River** by creating a spill reservoir for the flood tide was in progress during the year. The operations already undertaken have proved satisfactory; and it is expected that the continuation and extension of the operations will

effect further improvement by which the life of the river will probably be prolonged for a number of years.

13. Surveys were continued during the year in connection with projects for mitigating the effects of the Damodar floods, and the following works besides those dealt with in the last year's resolution were started with that object in view :—

- (a) the improvement of the Hoorhoora khal,
- (b) the improvement of the Uchchi Nala as a drainage outfall,
- (c) the raising of the embankments on the south of the Ajai River, and
- (d) the raising of the Damodar left embankment.

Investigations were carried out in connection with storage reservoirs in the basin of the Damodar and Barakar Rivers. Surveys were also carried out in connection with the proposed Damodar canal project.

14. (i) **Training works** were, as usual, carried out in the Dhaleswari and Buriganga rivers to facilitate navigation and to improve the water-supply of the town of Dacca. Dredging operations were also carried out on the off-take (from the Jamuna) of the Dhaleswari River. These dredging operations were started on the 8th November 1918, but had to be stopped on the 28th December 1918 owing to the possibility that the dredger "Foyers" might be shut in by the falling river. These operations were successful to a certain extent, the result being an increased flow of water in the Dhaleswari river throughout the cold and hot weather seasons.

Spurs were also erected in the Buriganga with the object of deflecting the current to the right bank of the river and inducing a greater flow through the Ati khal. The results proved satisfactory.

(ii) Training works were carried out also during the year through the agency of the India General Navigation and Railway Company, Ltd., on the river Ganges between Rajmahal and Goalundo.

(iii) To improve navigation as well as the sanitary conditions and water-supply of the town of Rampur Boalia, training works were carried out on the inner channel of the river Ganges.

(iv) At the mouth of the Bhagirathi River, at its off-take from the Ganges, no dredging operations were done during the year owing to adverse circumstances; endeavours were made to improve the channel by means of bandalling only, so as to improve sanitary conditions by an increased flow in the river. The operations were not successful.

15. **General.**—The most important problems with which the Irrigation Branch of the Public Works Department in Bengal have to deal are not connected with irrigation properly so called, but are mainly of a sanitary character, or are in connection with navigation or works of protection against floods. The work of the branch may be divided into (a) irrigation; (b) flood disposal and regulation, both tidal and non-tidal; (c) river training, both tidal and non-tidal; (d) drainage, both tidal and non-tidal; (e) anti-malarial drainage; and (f) navigation, open and closed canals for boats and inland steamers. The problems to be faced are of a very far-reaching character and affect practically the whole of Bengal, which is below the high flood-level of the network of rivers which intersect it. These rivers spill over their banks when in flood and irrigate large areas of rice, and deposit the suspended silt on the land, which acts both as a fertilizer and in building up the land itself. The problem which then arises is to regulate the water on the land, and to provide for its final drainage after the crop has matured; and the whole question is therefore one of irrigation combined with agricultural and sanitary drainage. As such rivers are apt to change their course, the natural channels become blocked both from natural and artificial causes, the areas submerged by flood become stagnant bils, and the whole country suffers from lack of proper irrigation and drainage. It is this side of the problem which requires special study and special engineering treatment for proper development. The solution of these problems depends to a very great extent on the

observations of land levels and the collection of accurate hydraulic data over very large areas.

The surveys started in October 1917 in connection with the conservancy of the rivers Dhaleswari and Buriganga were continued during the year, and the Executive Engineer placed on special duty for the purpose continued his investigations throughout the year. He has submitted certain projects which are now under consideration.

Investigations in connection with anti-malarial works into the drainage conditions over large areas in the districts of Jessore, Nadia, Khulna, Midnapore and the 24-Parganas were continued and valuable information obtained.

16. The Irrigation Department during the year was in charge of Mr. F. A. A. Cowley. The thanks of Government are due to him for the efficient conduct of the affairs of the department during the year and to Mr. Addams-Williams, C.I. E., Superintending Engineer on special duty, for his zeal and energy in the conduct of the enquiries into the drainage conditions in this presidency. The good work of other officers has also been noted by Government.

ORDER.—Ordered that a copy of this resolution be published in the *Calcutta Gazette* and that a copy thereof and of its accompaniments be submitted to the Government of India in the Public Works Department and circulated to other Governments and to all departments and officers of this Government as usual.

By order of the Governor in Council,

F. A. A. COWLEY,

Secy. to the Govt. of Bengal.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the second-half of November 1919.

Marts.	PADDY (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.*
	1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	4 8 0	4 8 0	3 4 0	3 0 0	3 8 0	4 2 0	...
Chota Hat	...	...	...	...	...	...	...
Burdwan	4 14 0	4 14 0	3 0 0	2 4 0	3 12 0	3 12 0	...
Kalna	...	...	...	...	...	...	...
Raniganj	...	...	...	...	...	...	...
Midnapore	4 4 0	4 10 0	3 0 0	1 12 0 to 2 4 0	2 11 0	2 2 0	...
Chittagong	(c)	(c)	2 10 0	(c)	(c)	3 2 0	...
Chandpur	...	...	...	...	...	...	...
Dacca	5 12 0	5 14 0	4 0 0	2 1 0	3 1 0	3 12 0	...
Narayanganj	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...
Pabna	5 0 0	5 0 0	3 0 0	1 12 0	2 11 0	3 7 0	...
Sirajganj	...	...	...	...	...	...	...
Rangpur	5 0 0	5 0 0	3 0 0	2 0 0	3 12 0	3 6 0	...

* Figures not available.

(c) No sale.

Marts.	PADDY (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	9	10	11	12	13	14	15
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	4 0 0	4 0 0	2 12 0	2 6 0	3 4 0	3 14 0	...
Chota Hat	...	...	...	...	...	...	...
Burdwan	4 12 0	4 12 0	2 8 0	1 14 0	3 4 0	3 8 0	...
Kalna	...	...	...	...	...	...	...
Raniganj	...	...	...	...	...	...	...
Midnapore	4 2 0	4 9 0	2 12 0	1 10 0 to 1 14 0	2 10 0	2 0 0	...
Chittagong	(c)	(c)	2 10 0	(c)	(c)	3 0 0	3 0 0
Chandpur	...	...	...	...	...	...	...
Dacca	5 8 0	5 8 0	3 12 0	1 13 0	2 12 0	3 0 0	...
Narayanganj	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...
Pabna	4 3 0	4 3 0	2 12 0	1 8 0	2 4 0	2 12 0	3 5 0
Sirajganj	...	...	...	...	...	...	...
Rangpur	5 0 0	5 0 0	2 8 0	2 0 0	3 0 0	2 4 0	3 0 0

(c) No sale.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the second-half of November 1919.

Marts.	RICE (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	16	17	18	19	20	21	22
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	9 8 0	9 8 0	7 8 0	7 0 0	7 14 0	8 4 0	7 8 0
Chota Hat							
Burdwan	8 2 0	8 12 0	7 6 0	5 5 6	9 8 0	5 0 0	5 0 0
Kalna							
Raniganj							
Midnapore	10 0 0	10 0 0	8 8 0	5 0 0	6 0 0	7 8 0	6 8 0
Chittagong	12 0 0	12 0 0	6 0 0	7 0 0	6 8 0	10 0 0	10 0 0
Chandpur							
Dacca	10 8 0	10 0 0	8 0 0	5 0 0	6 12 0	7 4 0	6 4 0
Narayanganj							
Mymensingh							
Madaripur							
Fabna	9 0 0	9 0 0	7 0 0	6 0 0	8 0 0	8 0 0	6 0 0
Sirajganj							
Rangpur	12 0 0	12 0 0	7 0 0	6 0 0	7 4 0	7 12 0	7 4 0

Marts.	RICE (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	23	24	25	26	27	28	29
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	8 0 0	8 0 0	5 12 0	5 0 0	6 3 0	7 8 0	6 8 0
Chota Hat							
Burdwan	6 8 0 to 7 8 0	7 10 0	5 6 0	3 8 0	4 0 0	5 8 0	4 12 0
Kalna							
Raniganj							
Midnapore	7 8 0	8 12 0	5 0 0	3 8 0 to 4 2 0	5 4 0	5 7 0	5 0 0
Chittagong	6 0 0	6 8 0	5 0 0	3 10 0	5 0 0	5 4 0	5 0 0
Chandpur							
Dacca	9 8 0	8 14 0	7 12 0	4 0 0	5 12 0	6 8 0	5 10 0
Narayanganj							
Mymensingh							
Madaripur							
Fabna	7 11 0	7 0 0	5 2 0	4 4 0	5 4 0	5 12 0	5 5 0
Sirajganj							
Rangpur	10 12 0	10 12 0	5 8 0	4 10 0	5 12 0	7 0 0	6 5 0

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the second-half of November 1919.

Marts.	WHEAT.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	30	31	32	33	34	35	36
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	8 0 0	8 0 0	7 4 8	5 0 0	4 14 0	5 2 0	5 12 0
Chota Hât	...	...	...	...	...	...	...
Burdwan	7 12 0	7 12 0	(a)	5 4 0	5 0 0	5 12 0	...
Kalna	...	...	...	...	...	...	...
Raiganj	...	...	...	...	...	...	...
Midnapore	8 8 0	8 8 0	8 8 0	5 12 0	5 0 0	6 0 0	...
Ohitragong	...	...	...	...	...	...	...
Chandpur	...	...	...	...	...	...	...
Dacca	...	...	...	...	...	...	...
Narayanganj	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...
Pabna	6 11 0	6 11 0	...	4 0 0	3 12 0	5 4 0	3 12 0
Sirajganj	...	...	...	...	...	...	...
Rangpur	7 0 0	7 1 0	8 0 0	5 2 0	5 2 0	5 4 0	5 0 0

(a) Not in stock.

Marts.	KALAI DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.*
	37	38	39	40	41	42	43
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	8 8 0	8 8 0	8 12 0	8 0 0	5 8 0	5 14 0	...
Chota Hât	...	...	...	...	...	...	...
Burdwan	8 8 0	8 8 0	10 2 0	8 0 0	5 4 0	5 0 0	...
Kalna	...	...	...	...	...	...	...
Raiganj	...	...	...	...	...	...	...
Midnapore	8 8 0 to 10 8 0	8 8 0 to 10 8 0	8 8 0 to 11 0 0	8 12 0	4 8 0	4 8 0	...
Ohitragong	...	...	...	...	...	...	...
Chandpur	...	...	...	...	...	...	...
Dacca	...	...	...	...	...	...	...
Narayanganj	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...
Pabna	...	...	...	...	...	...	...
Sirajganj	...	...	...	...	...	...	...
Rangpur	10 0 0	10 0 0	7 0 0	7 0 0	7 8 0	6 8 0	...

* Figures not available.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the second-half of November 1919.

Marts.	GRAIN.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	44	45	46	47	48	49	50
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	7 8 0	7 8 0	4 8 0	3 8 0	3 10 0	3 14 0	5 0 0
Chota Hat ...	...	...	...	...	...	...	...
Burdwan ...	5 12 0 to 7 8 0	6 12 0	5 6 0	3 4 0	3 14 0	4 6 0	5 4 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	8 0 0 to 9 4 0	9 0 0 to 9 4 0	5 12 0 to 7 0 0	3 14 0 to 4 0 0	4 0 0	4 10 0	...
Chittagong ...	8 4 0	3 4 0	5 12 0	4 0 0	5 0 0	5 8 0	...
Ohandpur ...	...	...	...	...	...	...	...
Dacca ...	...	...	...	...	...	...	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	...	...	...	...	...	...	...
Sirajganj ...	...	...	...	...	...	...	...
Bangpur ...	7 8 0	7 8 0	7 0 0	5 4 0	7 10 0	7 0 0	...

Marts.	ARAB DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	51	52	53	54	55	56	57
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	9 8 0	9 8 0	6 12 0	5 0 0	5 4 0	6 8 0	6 0 0
Chota Hat ...	...	...	...	...	...	...	...
Burdwan ...	9 12 0	9 12 0	7 8 0	4 0 0	5 0 0	6 0 0	6 2 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	11 0 0 to 12 0 0	11 0 0 to 12 0 0	8 0 0	5 0 0 to 6 0 0	6 0 0	7 0 0	...
Chittagong ...	11 0 0	11 0 0	7 12 0	7 0 0	7 0 0	7 8 0	7 8 0
Ohandpur ...	...	...	...	...	...	...	...
Dacca ...	9 0 0	10 0 0	8 0 0	4 12 0	6 0 0	7 0 0	6 12 0
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	12 0 0	12 0 0	8 0 0	6 0 0	8 0 0	8 0 0	6 0 0
Sirajganj ...	...	...	...	...	...	...	...
Bangpur ...	(a)	(a)	7 0 0	5 0 0	7 8 0	6 12 0	6 4 0

(a) Not available.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned markets in Bengal for the second-half of November 1919.

Markets.	LINSEED.			MUSTARD.			GHR.			COTTON (UNGINNED).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	68	69	60	61	62	63	64	65	66	67	68	69
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	12 0 0	12 8 0	7 8 0	12 8 0	12 8 0	8 8 0	10 8 0	9 8 0	8 8 0	25 0 0	25 0 0	28 0 0
Chella Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burdwan	11 8 0 to 12 0 0	11 0 0 to 12 0 0	(a).....	12 0 0 to 14 8 0	12 0 0 to 14 8 0	12 8 0	8 0 0 to 8 0 0	8 0 0 to 8 0 0	8 8 0	(a).....	(a).....	(a).....
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	10 0 0	7 0 0	10 0 0	14 8 0 to 15 0 0	14 4 0 to 15 0 0	11 0 0 to 12 8 0	11 0 0	11 0 0	7 12 0	40 0 0	40 0 0	76 0 0
Chittagong	15 0 0	15 0 0	10 0 0	12 0 0	12 0 0	8 8 0	12 0 0	12 0 0	8 8 0	14 0 0	(b).....	(b).....
Chandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dacca	17 8 0	17 8 0	7 0 0	12 0 0	12 0 0	18 0 0	18 0 0	18 0 0	10 0 0	.....	.....	.....
Narayanganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mymensingh	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madaripur	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pabna	15 0 0	15 0 0	8 0 0	13 8 0	13 8 0	11 0 0	10 10 0	10 10 0	8 0 0	.....	.....	.....
Sirajganj	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangpur	(a).....	(a).....	.....	13 0 0	14 0 0	7 8 0	13 0 0	13 0 0	8 0 0	.....	.....	.....

Markets.	JUTE.			GHEE.			HIDES (COW).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	70	71	72	73	74	75	76	77	78
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	12 0 0	12 0 0	12 0 0	78 0 0	78 0 0	70 0 0	450 0 0	Per 100 pieces. 450 0 0	450 0 0
Chella Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burdwan	(a).....	(a).....	(a).....	38 0 0	78 0 0	68 0 0	(a).....	(a).....	40 0 0
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	8 4 0	6 0 0	8 0 0	86 0 0 to 95 0 0	80 0 0 to 88 0 0	78 0 0 to 80 0 0	450 0 0	Cleaned pieces per 100. 425 0 0	275 0 0
Chittagong	.....	.....	.....	80 0 0	98 0 0	75 0 0	425 0 0	Uncleaned pieces per 100. 400 0 0	250 0 0
Chandpur	3 8 0 to 10 8 0	3 8 0 to 12 0 0	5 12 0 to 9 8 0	.....	.....	.....	.....	.....	.....
Dacca	.....	.....	.....	78 0 0	80 0 0	64 0 0	.....	.....	.....
Narayanganj	4 0 0 to 8 0 0	8 0 0 to 9 0 0	7 0 0 to 11 0 0	.....	.....	.....	.....	.....	.....
Mymensingh	4 0 0 to 10 0 0	8 0 0 to 12 0 0	6 0 0 to 10 0 0	.....	.....	.....	.....	.....	.....
Madaripur	3 12 0 to 11 4 0	3 8 0 to 12 4 0	3 0 0 to 11 0 0	.....	.....	.....	.....	.....	.....
Pabna	.....	.....	.....	78 0 0	78 0 0	107 0 0	.....	.....	.....
Sirajganj	4 0 0 to 6 0 0	4 8 0 to 7 0 0	5 0 0 to 7 0 0	.....	.....	.....	.....	.....	.....
Rangpur	8 0 0	8 0 0	8 0 0	72 0 0	78 0 0	68 0 0	Per piece. 4 0 0	Per piece. 4 0 0	Per piece. 4 0 0

(a) Not available.

(b) No sale.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the second-half of November 1919.

Marts.	IRON.			SALT.			KEROSENE OIL.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	79	80	81	82	83	84	85	86	87
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	9 0 0	9 0 0	25 0 0	3 8 0	3 8 0	3 12 0	3 15 0 (a)	3 12 0 (a)	3 2 0
Chitta Hât	.....	.....	.....	.....	.....	.....	.....	.....	.....
Burdwan	16 8 0	16 0 0	12 0 0 to 25 0 0	3 8 0	3 8 0	3 8 0	3 2 0 (b)	3 2 0 (b)	3 3 0
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raniganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	3 0 0 to 18 0 0	3 0 0 to 18 0 0	3 0 0 to 20 0 0	3 10 0	3 10 0	3 10 0	4 2 0 (d)	4 2 0 (d)	4 3 0
Chittagong	20 0 0	20 0 0	20 0 0	4 0 0	4 10 0	3 8 0	3 0 0 (c)	3 0 0 (c)	2 0 0
Chandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dacca	.....	.....	.....	4 0 0	4 8 0	4 4 0	4 2 0 (d)	4 1 0 (d)	4 3 0
Karayanganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mymensingh	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nadaripur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fabua	18 0 0 to 18 0 0	18 0 0 to 18 0 0	20 0 0 24 0 0	4 0 0	4 0 0	4 0 0	4 3 0 (d)	4 3 0 (d)	3 14 0
Sirajganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangpur	22 0 0	22 0 0	22 0 0	4 0 0	4 0 0	4 6 0	4 4 0 (A)	4 4 0 (A)	4 10 0

(a) Monkey brand. | (b) Rising Sun. | (c) Monque. | (d) Elephant. | (A) Gold Mohur.

Marts.	MUSTARD OIL.			FIREWOOD.			COAL (BENGAL).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	84	85	86	91	92	93	94	95	96
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	25 0 0	25 0 0	25 0 0	0 8 0	0 8 0	1 0 0	.....	.....	.....
Chitta Hât	.....	.....	.....	.....	.....	.....	0 8 0	0 8 0	0 8 0
Burdwan	34 0 0	34 0 0	29 0 0	0 8 0	0 8 0	0 8 0	0 7 0	0 7 0	0 8 0
Kalna	.....	.....	.....	.....	.....	.....	0 9 0	0 9 0	0 8 0
Raniganj	.....	.....	.....	.....	.....	.....	0 1 0	0 1 0	0 2 0
Midnapore	40 0 0 to 41 0 0	38 0 0 to 40 0 0	32 0 0	0 7 0	0 7 0	0 7 0	.....	.....	.....
Chittagong	40 0 0	40 0 0	29 0 0	.....	.....	.....	.....	.....	.....
Chandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dacca	29 0 0	30 8 0	33 0 0	.....	.....	.....	.....	.....	.....
Karayanganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mymensingh	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nadaripur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fabua	38 0 0	41 0 0	29 0 0	.....	.....	.....	.....	.....	.....
Sirajganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangpur	40 0 0	40 0 0	25 0 0	.....	.....	.....	.....	.....	.....

Dacca,

The 9th December 1919.

J. C. Roy.

for Director of Agriculture, Bengal.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the second-half of November 1919.

DIVISION	Number.	DISTRICTS AND MARKS.	QUANTITY PER RUPEE IN SERIES OF EIGHTY TOLAS.														
			COMMON RICE.						KARAI DAL (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR TUR. CHANAN PUA (<i>Cajanus indicus</i>).			SALT.		
			Average.			Cheapest.			Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.
			Present return.	Next preceding return.	Corresponding of last year.	Present return.	Next preceding return.	Corresponding of last year.									
PRESIDENCY.		24-PARGANAM.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
	1	Onetia Hat ...	4 9	4 9	6 6	5 0	5 0	6 8	4 9	4 9	4 9	4 0	4 0	4 9	10 10	10 10	10 10
	2	Magra Hat ...	5 11	5 1	9 14	5 13	5 8	7 8	(a)	(a)	(a)	3 10	3 6	4 12	10 12	10 12	11 8
	3	Calcutta-Bollaghata	4 13	4 13	6 10	6 6	6 6	8 0	4 7	4 7	4 7	4 0	4 0	5 14	10 0	10 0	10 0
		NADIA.															
	4	Goard ...	5 11	5 0	6 7	6 6	5 5	7 4	3 4	3 4	4 0	2 4	3 4	4 0	13 0	13 0	10 0
	5	Nanagbat ...	4 8	4 8	6 12	5 12	5 8	7 4	3 2	3 2	6 4	3 8	3 8	5 4	10 2	10 5	9 0
		MUMSHIDABAD.															
	6	Borhampur ...	5 12	4 8	6 12	6 0	4 12	7 0	5 0	4 0	3 0	4 0	4 0	5 4	13 0	13 0	9 0
	7	Kandi ...	5 0	5 6	8 0	5 12	5 6	8 4	4 4	3 8	4 0	4 0	4 0	5 8	10 8	10 8	9 4
	8	Jangipur ...	5 8	5 8	7 8	6 8	6 0	8 0	3 8	3 8	...	3 8	3 8	7 0	13 0	13 0	8 0
		JESSORE.															
	9	Sadar ...	6 0	5 8	7 0	6 6	5 12	9 0	2 8	3 4	6 0	3 0	3 4	5 0	11 4	11 4	10 8
	10	Baogson ...	4 2	4 8	6 10	5 18	5 11	7 0	2 11	2 11	4 0	3 9	3 9	4 15	11 4	11 4	11 4
		KHULNA.															
	11	Sadar ...	4 4	4 14	6 0	4 4	4 14	8 4	3 8	3 8	7 8	3 8	3 8	4 8	10 4	9 0	9 0
	12	Bagerhat ...	5 4	5 4	6 2	5 10	6 10	6 0	5 0	5 0	5 4	3 10	3 10	5 4	9 0	9 0	9 0
		BURDWAN.															
	13	Sadar ...	5 0	4 10	7 8	5 8	5 0	6 0	4 8	4 8	3 12	3 12	3 12	5 0	10 8	10 8	10 12
	14	Kalna ...	4 9	4 8	7 0	4 12	5 2	7 4	3 10	3 9	6 0	3 10	3 5	5 8	10 0	11 0	10 8
		BIRBHUM.															
	15	Burl ...	6 12	5 4	6 12	7 0	5 8	7 8	6 0	4 8	4 0	3 8	3 4	5 0	12 0	11 0	10 0
	16	Rampur Hat ...	6 0	5 0	7 0	7 0	5 0	7 8	6 0	6 0	4 0	3 8	3 8	5 8	10 0	11 0	11 0
		BANKURA.															
	17	Sadar ...	5 4	5 8	7 8	5 8	5 12	8 0	5 8	5 8	3 12	4 0	4 0	5 0	11 0	11 0	10 8
	18	Vishnupur ...	6 8	5 0	7 0	7 4	5 8	8 0	4 4	4 0	5 0	3 4	3 8	5 0	10 8	10 8	9 0
		MIDNAPORE.															
	19	Sadar ...	6 0	4 11	8 1	6 5	5 0	8 6	3 4	3 4	4 0	3 4	3 4	4 0	10 0	10 0	9 0
	20	Dontal ...	4 8	4 12	7 8	5 8	5 0	8 0	3 0	3 0	7 8	3 0	3 0	7 0	12 0	11 8	10 8
		HOOGHLY.															
	21	Sadar ...	4 8	4 4	6 8	5 0	5 0	7 0	4 0	4 9	3 8	3 8	4 0	5 0	10 12	10 8	11 8
	22	Arambagh ...	5 12	5 12	7 8	6 0	6 0	7 10	3 4	3 4	4 0	3 4	3 9	5 0	10 10	10 10	9 0
		HOWRAH.															
	23	Sadar ...	5 4	5 4	5 0	6 0	6 0	6 8	4 8	4 8	4 0	4 0	4 0	5 0	11 0	11 0	11 8
	24	Uttarbaria ...	4 8	4 8	6 12	5 10	5 0	7 4	4 0	4 0	4 0	3 10	3 10	4 0	11 8	11 8	11 4
		RAJSHAHI.															
RAJSHAHI.	25	Rampur-Boalia ...	5 10	4 10	8 4	6 0	4 12	9 0	4 8	4 8	5 4	3 8	4 0	5 4	9 12	9 12	8 0
	26	Nator ...	4 14	4 14	8 0	5 4	5 4	9 0	4 0	4 0	6 0	4 0	4 0	7 14	9 8	9 8	8 0
	27	Dinajpur-Railway Bazar Hat.	4 12	4 12	7 12	5 2	5 2	8 8	3 12	3 12	4 12	3 2	3 2	5 8	10 0	10 0	8 0
	28	Jalpaiguri-Sadar ...	4 4	4 4	8 0	5 0	5 0	8 8	4 0	4 0	5 4	3 12	3 12	5 4	9 8	9 8	8 0

* Karkatch.

(a) Not available.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the second-half of November 1919—concl'd.

DIVISION.	DISTRICTS AND MARKS.	QUANTITY PER RUPEE IN SEERS OF EIGHTY TOLAS.														
		COMMON RICE.						KALAI DAL (Phaseolus radiatus).			ARHAR (DAL) OR TURR. CAJAN PEA (Cajanus indicus).			SALT.		
		Average.			Cheapest.			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
Number.		S. CH.	P. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
BARRACKS.	DARJEELING.															
	39 Bazar ...	3 12	3 12	5 4	4 8	4 8	8 0	2 12	2 12	4 0	2 12	2 12	4 0	8 0	8 0	8 8
	40 Siliguri ...	4 8	4 8	9 0	5 0	5 8	9 0	3 8	3 8	7 8	3 8	3 8	8 0	8 0	8 0	8 0
	RANOPUR.															
	41 Bazar ...	3 6	3 6	7 0	4 4	4 4	8 0	3 12	3 12	4 8	3 0	3 0	8 0	9 0	9 0	8 0
	42 Nilphamari ...	4 0	4 7	8 0	5 0	4 11	8 8	4 0	4 0	5 12	3 8	3 8	8 2	10 8	9 12	8 8
	43 Bogra—Bazar ...	5 12	2 6	6 8	6 4	3 14	8 10	3 8	3 8	8 0	3 8	3 8	4 8	9 12	9 12	10 8
	PADMA.															
	44 Bazar ...	5 4	5 4	7 8	5 8	5 8	8 8	3 14	3 14	...	3 0	3 0	8 0	11 8	11 8	8 4
	45 Sirajganj ...	4 4	4 4	6 12	4 8	4 12	7 12	4 0	4 0	6 0	3 8	3 8	6 0	8 0	8 0	8 0
DACCA.	MAIDA.															
	46 Bazar ...	4 12	4 8	9 0	8 0	8 0	...	5 0	5 0	5 0	3 8	4 0	5 0	12 0	11 8	8 8
	47 Balla—Nawabganj ...	4 12	4 12	9 0	8 0	6 0	10 8	5 0	5 0	6 8	3 8	3 8	...	11 8	11 8	8 8
	DACCA.															
	48 Bazar ...	4 8	4 8	5 2	5 8	6 0	6 12	4 0	4 0	2 12	4 0	4 0	4 8	10 0	8 0	9 0
	49 Munshir Hat ...	4 8	5 4	6 12	4 8	5 4	6 8	(n)	(n)	(n)	(n)	4 0	(n)	9 0	9 0	8 0
	MYMERPOUR.															
	50 Nasirabad ...	4 0	3 8	5 8	4 4	4 0	6 8	4 0	4 0	3 0	4 0	4 0	5 4	9 0	9 0	8 0
	51 Netrokona ...	4 8	4 10	8 0	6 6	6 4	8 8	5 4	5 8	8 8	3 8	3 8	6 8	10 0	10 8	8 0
	PARIDIPUR.															
CHITTAGONG.	52 Bazar ...	4 12	4 8	6 12	5 0	4 12	7 8	4 0	4 4	4 0	3 0	4 0	4 4	9 8	9 10	8 8
	53 Rajbari ...	5 5	5 1	8 4	5 12	5 5	8 12	4 0	4 3	4 0	3 3	3 3	4 0	10 0	10 0	8 0
	BAKARGANG.															
	54 Barisal ...	4 0	4 0	6 2	4 4	4 4	5 11	5 4	5 2	4 8	3 4	3 2	4 8	9 4	9 4	8 0
	55 Pirojpur ...	3 12	3 8	7 0	3 14	3 12	7 8	4 0	3 8	...	(n)	(n)	4 12	8 0	8 0	8 8
	TIPPERA.															
	56 Comilla ...	5 0	3 12	6 8	6 3	6 0	7 8	4 8	4 8	5 0	3 0	3 0	4 8	8 0	8 0	8 8
	57 Chandpur ...	3 14	4 8	5 0	5 4	5 8	6 8	3 10	3 10	5 2	3 4	3 6	6 4	8 8	8 8	9 1
	NOAKHALI.															
	58 Kallara Hat ...	5 0	4 8	7 0	6 0	6 8	8 0	6 8	6 8	4 0	3 4	3 4	5 8	9 0	9 0	8 0
CHITTAGONG.	59 Feni Hat ...	5 12	4 8	7 12	7 8	8 0	8 12	5 0	5 0	8 0	(n)	(n)	(n)	8 0	8 0	8 2
	60 Bazar ...	5 8	6 0	8 0	7 0	7 0	8 8	4 0	4 0	4 0	3 12	3 12	5 0	10 0	8 0	10 0
	61 Cox's Bazar ...	6 8	6 0	10 0	(v)	(n)	11 0	4 0	4 0	4 0	3 4	3 4	4 0	9 0	8 0	8 0
CHITTAGONG.	62 Chittagong IIII Tracts—Rangamati.	5 0	5 0	6 0	6 0	6 8	7 0	4 0	4 0	3 4	3 4	3 0	4 8	8 0	8 0	8 0

* Karkatch.

(n) Not available.

(n) Not reported.

J. C. ROY,
for Director of Agriculture, Bengal.

DACCA
The 9th December 1919.

IRRIGATION DEPART

Statement showing heights over mean sea-level and low water in the October 1919, and the highest reading of each gauge over

RIVER GANGES.												
Date.	Mirzapore. Zero of gauge 304'23 ft.		Benares. Zero of gauge 196'80 ft.		Buxar. Zero of gauge 167'66 ft.		Dinapore. Zero of gauge 134'23 ft.		Monghyr. Zero of gauge 101'93 ft.(a)			
	Distance in miles.	From Allahabad 56.	From Allahabad 134.	From Mirzapor 48.	From Benares 90.	From Benares 177.	From Buxar 87.	From Benares 267.	From Dinapore 110.			
	Highest gauge reading.	2nd September 1916. 963'97.	2nd September 1916. 344'30.	3rd and 4th Septem- ber 1916. 209'30.	5th September 1901. 169'73.	5th September 1901. 139'60.						
	Lowest gauge reading.	26th June 1897. 187'80.	1st May 1877. 189'80.	10th to 14th May 1914. 180'80.	30th April 1913. 136'13.	29th April to 5th May 1914. 96'00.						
		Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	
1	2	3	4	5	6	7	8	9	10	11	12	
1st	14'92	221'14	14'50	211'30	15'67	183'22	18'00	152'23	12'17	114'00
2nd	14'79	221'01	14'25	211'05	15'67	183'22	17'70	151'93	12'67	114'50
3rd	14'58	220'80	14'00	210'80	15'67	183'22	17'70	151'93	13'17	115'00
4th	14'42	220'64	14'00	210'80	15'50	183'05	17'60	151'93	12'97	114'80
5th	14'67	220'89	14'08	210'88	15'50	183'05	17'50	151'73	12'67	114'50
6th	15'83	222'05	14'00	210'80	15'58	183'13	17'40	151'63	12'67	114'50
7th	17'17	223'39	16'83	213'63	16'75	184'30	17'60	151'83	12'87	114'70
8th	16'92	223'14	17'17	213'97	17'75	185'30	18'70	152'93	13'17	115'00
9th	16'17	222'39	16'50	213'30	18'00	185'55	20'90	154'53	14'17	116'00
10th	15'50	221'72	15'83	212'63	17'50	185'05	20'60	154'83	14'47	116'30
11th	14'83	221'05	15'00	211'80	16'67	184'22	20'40	154'63	14'67	116'50
12th	14'08	220'30	14'38	211'13	16'00	183'55	19'60	153'83	14'47	116'30
13th	13'33	219'55	13'42	210'22	15'42	182'97	18'80	153'03	14'47	116'30
14th	12'83	219'05	12'83	209'63	15'17	182'72	18'10	152'33	14'17	116'00
15th	12'33	218'55	12'25	209'05	15'00	182'55	17'40	151'63	13'17	115'00
16th	12'00	218'22	11'92	208'72	14'67	182'22	17'00	151'23	12'47	114'30
17th	11'67	217'89	11'42	208'22	14'33	181'88	16'20	150'43	11'67	113'50
18th	11'33	217'55	11'17	207'97	14'00	181'55	16'20	150'43	11'47	113'30
19th	11'00	217'22	11'25	208'05	13'67	181'22	15'90	150'13	11'07	112'90
20th	10'67	216'89	10'42	207'22	12'17	179'72	15'60	149'83	10'67	112'50
21st	10'33	216'55	10'00	206'80	11'83	179'38	15'40	149'63	10'17	112'00
22nd	10'00	216'22	9'58	206'38	11'50	179'05	15'00	149'23	10'47	112'30
23rd	9'75	215'97	9'17	205'97	11'08	178'63	14'70	148'93	9'87	111'70
24th	9'58	215'80	9'00	205'80	10'67	178'22	14'70	148'93	9'47	111'30
25th	9'37	215'59	8'75	205'55	10'67	178'22	14'50	148'73	8'87	110'70
26th	9'21	215'43	8'50	205'30	10'58	178'13	13'10	147'33	8'47	110'30
27th	9'04	215'26	8'25	205'05	10'42	177'97	12'70	146'93	8'17	110'00
28th	8'92	215'14	8'08	204'88	10'00	177'55	12'70	146'93	7'77	109'60
29th	8'83	215'05	7'92	204'72	9'50	177'05	13'30	147'53	7'57	109'40
30th	8'79	215'01	7'75	204'55	9'50	177'05	13'20	147'43	8'17	110'00
31st	8'75	214'97	7'58	204'38	9'50	117'05	13'30	147'53	8'27	110'10

* New gauge fixed at Rajmahal from 1st June 1910 in place of the gauge at Sababganj. The zero of gauge at Rajmahal 56'46 ft. above M.S.-L. from 10th February 1916 to 15th June 1918. From the 16th June 1918 to 6th April 1919 April 1919 it is 56'319 ft. above M.S.-L.

† To compare the reduced levels shown in these monthly printed statements before and after the 1st June 1908, 5'78 ft. October 1909).

(a) A new gauge fixed at Monghyr on 16th July 1914.

(b) From the 1st November 1915 the zero of gauge was 2'43 ft. above M.S.-L. Previous to that the zero was at M.S.-L. zero is 1'608 ft above M.S.-L.

(c) From the 25th January 1916 to 4th April 1919 the zero of gauge at Berhampore was 30'99 ft. above M.S.-L. From the 26th October 1916 a temporary wooden gauge with its zero at 49'00 ft. above M.S.-L. was erected at 2nd June 1919. From 4th June 1919 the zero is 1'61 ft. above M.S.-L.

(e) Gauge shifted from Sabik Goalundo to Fakirabad from 30th June 1919.

The 12th December 1919.

MENT, BENGAL.

rivers Ganges, Bhagirathi, Jalangi and Brahmaputra for the month of M.S.L. as well as the lowest gauge-reading since 1876.

						RIVER BHAGI- RATHI.		RIVER JALANGI.		RIVER BRAHMA- PUTRA.	
Rajmahal. ^a Zero of gauge. 56'31.9 ft.		Rampur-Boalia. Zero of gauge 1'51 ft. (d)		Goalundo, (e) Zero of gauge is at mean sea-level.		Berhampore. Zero of gauge 33'49.9 (c)		Sarupganj, (b) Zero of gauge 1'50.9.		Gauhati. Zero of gauge 135'18 ft.	
From Benares 407.	From Mouglhyr 120.	From Benares 471.	From Rajmahal 64.	From Benares 591.	From Rampur- Boalia 120.						
15th August 1913. 88'46.		26th August 1879. 69'36.		28th August 1908 and 14th September 1913. 26'73.4		14th August 1890. 61'70.		26th September 1900. 58'03.		24th August 1906. 181'11.	
2nd May 1910. 54'63.		23rd April 1886. 37'62.		26th March 1910. 3'28.		19th to 24th April 1917. 32'40.		28th March 1916. 3'18.		9th February 1888. 47'46.	
Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.
13	14	15	16	17	18	19	20	21	22	23	24
16:20	72:519	50:49	52:00	19:40	19:40	9:60	42:099	15:96	17:469	22:90	158:08
15:40	72:119	50:19	51:70	19:10	19:10	9:10	41:599	15:39	16:899	22:20	157:38
15:45	71:769	49:69	51:20	19:00	19:00	9:10	41:599	15:22	16:729	21:90	157:08
15:25	71:569	49:49	51:00	18:80	18:80	9:10	41:599	14:89	16:399	21:60	156:78
15:25	71:569	49:19	50:70	18:70	18:70	9:00	41:499	14:50	16:009	21:60	156:78
15:25	71:569	49:09	50:60	18:60	18:60	8:90	41:399	14:16	15:669	21:90	157:08
15:10	71:419	48:89	50:40	18:60	18:60	8:60	41:099	14:20	15:709	23:20	158:38
15:15	71:469	48:74	50:25	18:50	18:50	8:00	40:499	13:88	15:389	24:60	159:78
15:40	71:719	48:74	50:25	18:40	18:40	7:80	40:299	13:47	14:979	26:50	161:68
15:90	72:219	49:04	50:55	18:60	18:60	8:60	41:099	13:16	14:669	27:10	162:28
16:70	73:019	49:39	50:90	19:00	19:00	8:40	40:899	13:13	14:639	27:50	162:68
17:20	73:519	49:89	51:40	19:30	19:30	9:20	41:699	13:79	15:299	27:50	162:68
17:10	73:419	50:19	51:70	19:60	19:60	9:60	42:099	14:48	15:989	27:30	162:48
16:60	72:919	49:89	51:40	19:80	19:80	9:60	42:099	14:48	15:989	26:90	162:08
16:00	72:319	49:39	50:90	19:80	19:80	9:30	41:799	13:93	15:439	26:50	161:68
15:40	71:719	48:89	50:40	19:70	19:70	9:20	41:699	13:14	14:649	26:40	160:58
14:40	71:119	48:39	49:90	19:60	19:60	9:20	41:699	12:24	13:749	24:50	159:68
14:20	70:519	47:89	49:40	19:30	19:30	9:00	41:499	11:38	12:889	23:40	158:58
13:66	69:969	47:44	48:95	19:00	19:00	8:20	40:699	10:62	12:129	22:10	157:28
13:10	69:419	46:99	48:50	18:70	18:70	7:10	39:599	10:02	11:529	21:70	156:88
12:60	68:919	46:49	48:00	18:30	18:30	5:40	37:899	9:62	11:129	19:50	154:68
12:20	68:519	46:29	47:80	17:90	17:90	4:90	37:399	9:29	10:799	17:30	152:48
11:80	68:119	45:94	47:45	17:50	17:50	4:70	37:199	8:82	10:329	16:80	151:98
11:50	67:819	45:69	47:10	17:20	17:20	4:60	37:099	8:56	10:069	15:40	150:58
11:20	67:519	45:39	46:90	16:90	16:90	3:90	36:399	8:24	9:749	15:40	150:58
10:90	67:219	45:09	46:60	16:40	16:40	3:70	36:199	7:71	9:219	14:90	150:08
10:70	67:019	44:89	46:40	15:90	15:90	3:30	35:799	7:36	8:869	14:30	149:48
10:40	66:719	44:59	46:10	15:50	15:50	3:30	35:799	7:36	8:869	12:40	147:58
10:20	66:519	44:29	45:80	14:80	14:80	2:80	35:299	7:38	8:889	12:20	147:38
10:00	66:319	44:14	45:65	14:40	14:40	2:60	35:099	7:10	8:609	11:90	147:08
10:10	66:419	44:14	45:65	14:00	14:00	2:60	35:099	6:62	8:129	11:50	146:68

was 56'46 ft. above M.S.-L. up to 26th October 1915 and 60'00 ft. above M.S.-L. from 27th October 1915. The zero was again it was 54'81 ft. above M.S.-L., from 7th to 15th April 1919. It was 56'32 ft. above M.S.-L., and from 16th should be deducted from the former or added to the latter (vide Bengal Government letter No. 1068T.—I, dated the 12th

dating back 15th July 1897. Zero was at M.S.-L. from 1st April 1918 to 13th April 1919. Again from 14th April 1919 the

5th April 1919 the zero is 52'499 ft. above M.S.-L. Rampur-Boalia in place of the permanent gauge washed away. The zero of gauge was at M.S.-L. from 25th June 1918, till

G. J. ST. C. SEDGLEY,
Under-Secy. to the Govt. of Bengal.

Statement showing the gauge-readings at Dacca Water-works Station on the river Buriganga for the week ending the 29th November 1919.

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 6 P.M.	Remarks
		Time.	Readings.	Time.	Readings.		
1919.							
23rd Nov.	56.72	10—40	57.5	...	...	56.64	R. T. at 11-15.
24th "	56.50	11—18	57.35	6—20	56.4	56.5	F. T. at 6-30, and R. T. at 11-30.
25th "	56.30	11—50	57.18	7	56.3	56.72	F. T. at 7-10 and R. T. at 12.
26th "	56.4	12—20	57.0	7—35	56.3	56.7	F. T. at 7-45 and R. T. at 12-35.
27th "	56.3	12—55	56.9	8—12	56.3	56.7	F. T. at 8-21, and R. T. at 12-15.
28th "	56.0	13—25	56.8	8—45	56.25	56.1	F. T. at 8-55 and R. T. at 13-31.
29th "	55.48	14—0	56.2	9—30	55.2	55.6	F. T. at 9-40 and R. T. at 14-13.

Notable high and low water-levels of previous years.

27th August	1906	70.5	Taken at high tide.
5th September	1909	...	...	...	...	67.86
10th August	1910	...	...	...	...	67.86
1st "	1911	...	...	...	...	68.46
13th "	1912	...	...	...	...	67.16
31st "	1916	...	...	...	...	67.7
18th "	1916	...	...	...	...	68.1
12th "	1917	...	...	...	...	67.1
31st "	1918	...	...	...	...	69.12
23rd February	1907	51.06	Taken at low tide.
13th "	1908	...	...	...	...	51.06
12th March	1912	...	...	...	...	51.06
6th "	1914	...	...	...	...	50.60
22nd February	1915	...	...	...	...	50.80
16th "	1916	...	...	...	...	50.60
3rd March	1917	...	...	...	...	51.0
21st February	1918	...	...	...	...	51.40

DACCA,
The 4th December 1919.

W. J. KERR,
Executive Engr., Dacca Division.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 6th December 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum (a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum (a)	Remarks.
1919.					
30th November ...	8 A.M.	Zero of gauge is at mean sea level.	41.60	40.21	B. M. on College step corrected, 64.98.
1st December ...	8 "		41.50	40.16	
2nd "	8 "		41.40	40.11	
3rd "	8 "		41.30	40.01	
4th "	8 "		41.20	39.91	
5th "	8 "		41.10	39.81	
6th "	8 "		41.00	39.71	

(a) P. W. D. datum 6.25 feet above Kidderpore old dock sill.

Old value.				According to P. W. D. datum.	
The previous year ...	Highest water-level	...	66.52 on 30th August 1918	...	61.71
Ditto ...	Lowest "	...	41.70 on 21st April 1918	...	36.89
Record ...	Highest "	...	69.25 on 26th August 1879	...	64.44
Do. ...	Ditto "	...	69.08 on 9th September 1883	...	64.27
Do. ...	Ditto "	...	68.30 on 25th August 1906	...	63.47
Do. ...	Ditto "	...	68.21 on 26th August 1890	...	63.40
Do. ...	Lowest "	...	37.63 on 26th April 1881	...	32.82
Do. ...	Ditto "	...	38.13 on 14th-15th April 1883	...	33.82
Do. ...	Ditto "	...	39.02 on 21st-22nd April 1897	...	34.21
Do. ...	Ditto "	...	39.28 on 6th-7th May 1908	...	34.47

N.B.—The gauge-readings commenced from 1st August 1887.

BOALIA,
The 6th December 1919.

M. SENGUPTA,
Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra for the week ending 6th December 1919.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
30th November	7 A.M.	11.3	11.3	10.1	Zero is placed at mean sea-level.
1st December	7 "	11.1	11.1	10.0	The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpur ghât.
2nd "	7 "	11.0	11.0	9.9	Its reduced level is 22.11.
3rd "	7 "	10.9	10.9	9.8	
4th "	7 "	10.8	10.8	9.7	
5th "	7 "	10.8	10.8	9.7	
6th "	7 "	10.8	10.8	9.7	
The previous year					
Ditto		...	Highest water-level	...	25.2 on 1st September 1918.
Record (H.F. in Brahmaputra and Ganges)		...	Lowest	...	5.8 on 9th March 1918.
Record (average flood in Brahmaputra and Ganges)		...	Highest	...	25.75 on 28th August 1910.
Record (H.F. in Brahmaputra and Ganges)		...	Ditto	...	25.74 on 20th and 21st August 1898.
Record (H.F. in Brahmaputra only)		...	Ditto	...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Do.		...	Lowest	...	25.66 on 31st July 1900.
Do.		...	Ditto	...	1.0 on 8th February 1914.
Do.		...	Ditto	...	2.42 on 18th March 1908.
Do.		...	Ditto	...	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do.		...	Ditto	...	3.18 on 9th to 11th March 1885.
Do.		...	Ditto	...	3.16 on 16th, 17th and 29th to 31st March 1901.

FARIDPUR;

R. K. GHOSE,

The 8th December 1919.

for Subdivisional Officer, P. W. D., Faridpur.



The Calcutta Gazette

WEDNESDAY, DECEMBER 24, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

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CONTENTS.

Page.	Page.
Resolution on the Annual Progress Report on the Forest Administration in the Presidency of Bengal for the year ending the 30th June 1919 1451—1454	Weather and Crop Report for the weeks ending on the 11th and 18th December 1919 1476—1480
Final Forecast of the Bhadoi crops of Bengal, 1919-20 1455—1464	Daily rainfall recorded in Bengal for the month of November 1919 1484—1489
Third Forecast of the Cotton Crops of Bengal, 1919-20 1464—1465	Vital Statistics of the towns of Bengal for the month of November 1919 1490—1498
Second Forecast of the Winter Rice Crop of Bengal, 1919-20 1466—1469	List of prices of articles of food in Calcutta for the week ending Saturday, the 20th December 1919 1494
First Forecast of the Spring Oilseed Crops of Bengal, 1919-20 1470—1474	Statement of weekly gauge readings on the rivers in Bengal 1495
Monthly Weather and Crop Report of Bengal for November 1919 1475	Approximate Return of Traffic on the Circular and Eastern Ganals for the weeks ending Saturday, the 18th and 20th December 1919 1496

RESOLUTION ON THE ANNUAL PROGRESS REPORT ON THE FOREST ADMINISTRATION IN THE PRESIDENCY OF BENGAL FOR THE YEAR ENDING THE 30TH JUNE 1919.

GOVERNMENT OF BENGAL.

REVENUE DEPARTMENT.

Forests Branch.

CALCUTTA, THE 19TH DECEMBER 1919.

RESOLUTION—No. 9655For.

READ—

The Annual Progress Report on the Forest Administration in the Presidency of Bengal for the year ending the 30th June 1919.

READ ALSO—

The corresponding report of the previous year and the Government Resolution thereon.

SIR HENRY FARRINGTON was in charge of the Bengal Forest circle throughout the year. He was on tour for 289 days and inspected all the

divisions and divisional offices except Darjeeling, which was inspected after the close of the year. During the year Messrs. L. E. S. Teague, Deputy Conservator of Forests, and J. M. Cowan, Assistant Conservator of Forests, were released from military duty, but Mr. A. R. Nicholson, Deputy Conservator of Forests, remained on that duty throughout the year.

2. **Changes in area and administration.**—The only real change made in the area under the different classes of forests during the year was due to the notification of several areas aggregating 4 square miles in the Darjeeling, Jalpaiguri and Buxa divisions as reserved forest. The total area of all classes of forests, however, decreased by one square mile to 10,701 square miles owing to the recalculation of the areas of the Sitapahar reserve and of the Lebong Cantonment protected forests.

3. **Reservation and demarcation.**—Apart from the four square miles mentioned in the previous paragraph no progress has been made in the final notification of the proposed Ramshai, Khairbari and Torsa reserves owing to lack of funds. Repairs to 1,323 miles of boundary were carried out against 1,260 in the previous year. There still remain 124 miles of boundary to be demarcated, of which 90 form the provincial boundary between Bengal in the Chittagong Hill Tracts and Burma. It is important that this work should be completed as soon as possible.

4. **Working-plans.**—The revised working scheme for the Kurseong division for the year 1919-26 was sanctioned early in the year. The revised working-plans for the Jalpaiguri and Buxa divisions were completed. During the year the compilation of working-plans for the forests in the Chittagong and Chittagong Hill Tracts divisions was commenced. Plans now exist or are under compilation for all areas for which they are required except for 64 square miles.

5. **Communications and buildings.**—One mile of cart road and seven miles of bridle-path were constructed during the year. It is satisfactory to learn that 12 miles of inspection foot-paths were also constructed in the Kasalong and Sitapahar ranges in the Chittagong Hill Tracts division and that they will be useful to the public. The total expenditure on communications amounted to Rs. 18,757 against Rs. 15,904 in the previous year. The total expenditure on buildings was Rs. 33,550 against Rs. 25,311 in 1917-18.

6. **Protection.**—The number of forest offences reported during the year was 3,694 as compared with 2,780 in the previous year. The increase is mainly attributed to increased vigilance by the subordinate staff owing to the grant of adequate rewards to them for the detection of offences, partly to the prolonged drought in the hot weather of 1919 leading to scarcity of fodder and consequently to unauthorised grazing partly to the large influx of tea garden coolies ignorant of forest rules into the Buxa and Jalpaiguri divisions, and partly to the greater expense of living. In 93 per cent. of cases taken into the court convictions were secured.

The area in which special measures for fire protection were in force increased from 367,854 to 396,606 acres, but the area burnt over amounted to 24,876 against 7,566 acres in the previous year. This heavy increase is mainly due to two large fires in the Haldibari and North Borojhar ranges, and is attributed to the unusually dry character of the hot weather. Measures are under consideration for fire protection in the Chittagong and the Chittagong Hill Tracts divisions.

There has been no change in the area open to grazing, which covers 4,747 square miles. The number of cattle impounded during the year was 7,021 against 4,720 in the preceding year. This increase is again attributed to the prolonged drought in the hot weather and the consequent scarcity of fodder.

No definite conclusions can yet be drawn from the observations which are being conducted on the *sal* fungus. Extensive defoliation was caused by the *sal* defoliator in the Buxa division.

Damage to plantations by elephant, bison, pig and deer is being reduced to a minimum by the use of wire-fencing.

7. **Exploitation.**—No change was introduced into the system of disposing of minor produce. There was a large increase in the outturn of bamboos and of thatching materials, but a fall occurred in the revenues derived from grazing and from royalties for the lease of elephant mahals. Only 34 elephants were caught by licensees, of which 7 died. The amount of timber cut or collected by Government agency rose from 353,508 cubic feet in the preceding year to 644,887 in the year under review. This remarkable increase was mainly due to the supply of timber to the Munitions Board; but there are indications, for example the economical working of the Murti Saw Mill, that a more extensive use of the departmental agency for extraction would lead to larger revenues.

8. Industrial investigation and commercial activity were two noteworthy features of the year under review. Mr. H. S. Gibson, Deputy Conservator of Forests, was placed on special duty under the Director of Industries to enquire into the industrial possibilities of the forests of Bengal. On return from leave Mr. J. C. Carroll, Deputy Conservator of Forests, was deputed as Forest Utilisation Officer to carry out further investigations; and Mr. J. A. Pilgrim, L.R.C., was deputed in the month of June last to investigate tannin materials in the Sundarbans. A lease of 120 square miles in the Buxa forests was given to Messrs. Davenport & Co. for the extraction of all trees other than *sal* by duly controlled fellings for the manufacture of tea chests and three-ply wood. Arrangements were under discussion for the grant of a lease of an area in the Kasalong reserve in the Chittagong Hill Tracts to Messrs. Andrew Yule & Co., for the extraction of bamboos for the manufacture of paper pulp. An application by the Acme Tea Chest Company for the grant of a lease to extract timber for three-ply tea chests in some of the reserved forests in Chittagong also came under the consideration of Government. No applications were, however, received from Indian capitalists.

9. It is satisfactory to learn that the number of persons reported as killed by tigers was only 5 as against 14 in the previous year and 51, the average of the last five years. Thirty-five tigers including three cubs and a large proportion of females were killed as against 46 in the preceding year.

10. **Financial results.**—The results of the year's working were eminently satisfactory. The total revenue increased from Rs. 15,01,670 to Rs. 19,55,394, by over 4½ lakhs, due mainly to departmental working in connection with the production of munitions. At the same time the expenditure increased by only a little over half a lakh from Rs. 7,71,124 to Rs. 8,33,634. The surplus amounted, therefore, to Rs. 11,21,760 against Rs. 7,30,546 in the previous year.

11. **Quinquennial review.**—The Government of India in their circular No. 1F-31-1, dated the 17th January 1912, desired that the orders of Local Governments on the Forest Reports for the years in which a quinquennial review was issued should be accompanied by a brief review of the events and changes of the preceding five years so as to indicate the direction in which the provincial forest policy is tending. This review is due this year. An account of the main features of forest working during the quinquennium will, therefore, be found in chapter VII of the report of the Conservator. Except towards its termination the period has not been marked by any important development. This is due to the fact that it roughly corresponded with the duration of the war when industrial development, except that due to the war, was dormant, expenditure was reduced to a minimum, and new schemes were kept in abeyance. The average annual total receipts during the last five years have been Rs. 14,53,023 as compared with Rs. 14,63,702 during the period from 1909-10 to 1913-14, and the average annual surplus fell from Rs. 8,17,159 to Rs. 7,53,671. An increase of revenue is, however, now expected under the agreements made or under consideration for the working of different forests by commercial agency as well as by a more extended use of the departmental working which led to such a large increase of revenue in the last year of the quinquennium. There has been little

change in the areas under the different classes of forests. Working-plans still cover nearly half the forest area, but working-plans for 1,625 more square miles are under preparation and the revision of others was undertaken. The feature of a revised scheme sanctioned for the Kurseong Forest division was the substitution of artificial for natural production of *sal*. Progress was made in the demarcation of boundaries. One hundred and seventy-five miles were artificially demarcated in the quinquennial period, but 124 miles still remain to be completed mainly in the Chittagong Hill Tracts division. Though there has been a reduction in the area under systematic fire protection during the period from 1,038 to 614 square miles, the forests have been successfully protected from fire. There has been no change in the average area of all classes of forests open to grazing; and protective measures to prevent the most destructive forms of grazing were continued in the Darjeeling, Kalimpong, Jalpaiguri, Buxa and Chittagong divisions. The average annual amount spent on roads, bridges, buildings and other works decreased from Rs. 87,853 during the previous quinquennium to Rs. 70,406 owing to enforced economies. During the period a reorganisation of the Imperial and Provincial staff providing an increased number of appointments was sanctioned; and subsequent to the close of the year the pay and prospects of the Imperial staff have been substantially increased as a result of a consideration of the proposals of the Public Services Commission.

12. The thanks of the Governor in Council are due to Sir Henry Farrington for his careful and efficient administration of the department during the year and for that part of the quinquennium, from the 7th January 1916, during which he held charge of the Bengal circle. His Excellency in Council notices with pleasure the Conservator's appreciation of the good work done by officers of the department during the year.

ORDER.—Ordered that this resolution be published in the gazette and that a copy, with a copy of the report, be submitted to the Government of India.

By order of the Governor in Council,

M. C. McALPIN,

Secy. to the Govt. of Bengal.

DEPARTMENT OF AGRICULTURE, BENGAL.

Final Forecast of the *Bhadol* Crops of Bengal, 1919-20.

(NOTE.—On an average of the five years ending 1917-18, the area under autumn rice in Bengal has represented some 8·5 per cent. of the total area under rice in British India.)

Character of the season.—As stated in the preliminary forecast the weather conditions in the beginning of the season were generally favourable in West Bengal, but less favourable in North and East Bengal, owing to insufficient rainfall. Consequently sowings, which commenced at the usual time in West Bengal, finished somewhat late in North and East Bengal. Good rainfall in June favoured the growth of the crops. Heavy rainfall in July and in the early part of August caused damage in the districts of the Presidency Division, Hooghly, Bogra, Pabna, Malda, Faridpur and Bakarganj. Some injury by insects is also reported from the 24-Parganas, Jessore and Jalpaiguri. On the whole, however, the season was much better than last year.

Acreage.—The total area sown this year with the different *bhadol* crops dealt with in the forecast is estimated at 5,827,800 acres against 5,933,300 acres reported in the corresponding forecast of last year. Of this, the area under autumn rice is returned at 4,961,600 acres against 5,066,600 acres of last year.

Outturn.—According to the estimates of the district officers, the total outturn of the different *bhadol* crops works out to 85 per cent. of the normal as against 77 per cent. reported in the corresponding forecast of last year, and that of autumn rice only to 87 per cent. against 77 per cent. of last year.

Autumn rice.—Accepting 87 per cent. as the outturn of autumn rice this year, the gross outturn of the crop for the province, on the basis of a normal yield of 10½ maunds of clean grain per acre, is estimated at 33,299,400 cwts. against 30,095,600 cwts. reported in the corresponding forecast of last year.

R. S. FINLOW,
Offg. Director of Agriculture, Bengal.

Dacca,
The 12th December 1919.

APPENDIX I.

Final Forecast of the *Bhadol* Crops of Bengal, 1919-20.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
24-PARGANAS.	<i>Bhadol</i> paddy (autumn rice).	75,400	63,900	62,300.	75	83	Middle of September. Normal.	The outturn is below the normal owing to heavy rain in the Diamond Harbour and Basirhat subdivisions and to want of rain in the Barasat subdivision. Slight damage also by insects was caused in the Barasat subdivision.
	Indian-corn (maize) ...	...	100	100	67	83	
	Other <i>bhadol</i> cereals ...	3,400	3,400	1,700	67	75		
	Other <i>bhadol</i> pulses ...	1,800	3,800	3,000	64	76		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	5,800	2,300	2,100	93	75		
	Other <i>bhadol</i> food-crops.	...	300	300	83	80		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	100	1,300	1,000	75	67		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	...	...	...	...	...
	Total ...	84,000	72,000	70,800	74	82		
NADIA.	<i>Bhadol</i> paddy (autumn rice).	421,100	472,800	467,800	83	100	July. Normal	The weather has been favourable since the submission of the preliminary forecast.
	Mandua, marua or ragi	100	...	300	...	67		
	Indian-corn (maize) ...	800	...	100	...	67		
	Other <i>bhadol</i> cereals ...	8,000	6,700	5,300	67	67		
	Other <i>bhadol</i> pulses ...	1,000	6,000	2,800	67	67		
	<i>Bhadol</i> fruits and vegetables, including root-crops.	6,400	2,100	2,400	64	68		
	Other <i>bhadol</i> food-crops	3,400	1,900	2,100	60	67		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	1,800	3,000	3,100	64	67		
	Mulberry ...	(30)	...	...	...	...
	<i>Bhadol</i> fibres other than jute.	...	...	300	...	67
	<i>Bhadol</i> non-food crops other than fodder and fibres.	8,800	15,700	15,700	67	67		
	Total ...	523,900	606,300	604,900	63	67		
MURSHIDABAD.	<i>Bhadol</i> paddy (autumn rice).	229,700	177,900	190,400	78	93	End of July to October. Normal.	The decrease in area under marua, other <i>bhadol</i> cereals and mulberry as compared with the preliminary forecast, is due to revision of estimates after enquiry. The weather has been favourable since the submission of the preliminary forecast. The outturn has fallen below the normal owing to damage caused by drought in the Kandi and in Booda in the Lalbagh and Jangipur subdivisions.
	Jowar ...	100	100	...	100	...		
	Bajra ...	300	300	300	83	93		
	Mandua, marua or ragi	300	300	300	78	83		
	Indian-corn (maize) ...	1,000	1,000	1,200	83	83		
	Other <i>bhadol</i> cereals ...	3,300	4,000	3,800	67	83		
	Other <i>bhadol</i> pulses ...	2,000	1,100	1,100	67	75		
	Indigo ...	...	6,100	3,900	78	83	
	<i>Bhadol</i> fruits and vegetables, including root-crops.	2,000	1,700	2,000	86	76		
	Other <i>bhadol</i> food-crops	5,000	3,800	3,500	76	75		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	2,500	2,300	2,000	67	78		
	<i>Bhadol</i> fibres other than jute.	400	400	400	67	76		
	Mulberry ...	4,000	3,300	3,000	67	76		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	20,000	4,300	3,900	78	67		
	Total ...	371,200	308,100	314,100	78	90		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
JESSORE.	Bhadol paddy (autumn rice).	Acres. 407,300	Acres. 385,000	Acres. 312,400	76	83	August. Normal	The decrease in area this year is due to jute being sown in lands which were sown with paddy last year. The weather was favourable since the submission of the preliminary forecast. The outturn is below the normal on account of the damage caused by flood and cyclone.
	Other bhadol cereals ...	13,200	9,100	10,800	34	73		
	Other bhadol pulses ...	2,200	8,600	7,900	60	67		
	Other bhadol food-crops.	1,300	799	2,100	36	67	September. Normal.	
	Bhadol fodder crops other than jowar, bajra, marua and maize.	12,100	1,000	500	60	100		
	Bhadol non-food crops other than fodder and fibres.							
	Total ...	445,000	394,400	383,000	74	83		
KHULNA.	Bhadol paddy (autumn rice).	17,800	20,300	23,900	100	83		The increase in area as compared with last year is due to the fact that the high price of rice this year induced the cultivators to cultivate more lands with bhadol paddy. The weather was favourable at sowing time but heavy rain and flood in the latter part of July caused damage to the crops. Hence the outturn is below the normal.
	Other bhadol cereals ...	200	100	100	85	83	Middle of September. Normal.	
	Other bhadol pulses ...	600	400	400	85	83		
	Bhadol fruits and vegetables, including root-crops.	14,800	13,000	12,900	85	75		
	Bhadol non-food crops other than fodder and fibres.	300	100	100	92	100		
	Total ...	33,700	33,800	26,400	94	80		
BURDWAN.	Bhadol paddy (autumn rice).	140,000	110,700	121,300	83	100	End of September to middle of October. Normal.	The increase in area over last year is due to timely rainfall. The weather was favourable except in the Nadar subdivision. The outturn, on the whole, is expected to be normal, but in some cases it has fallen below the normal owing to drought.
	Mandua, marua or ragi.	...	(80)	(80)	93	83	End of September. Late.	
	Indian-corn (maize) ...	3,000	1,000	1,200	67	100	Beginning of October. A little late.	
	Other bhadol cereals ...	1,000	600	600	93	75		
	Other bhadol pulses ...	1,200	1,000	1,000	83	83		
	Bhadol fruits and vegetables, including root-crops.	3,000	2,600	2,700	75	83		
	Other bhadol food-crops	1,700	1,100	1,000	92	83		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	200	200	200	100	88	October. Normal.	
	Bhadol fibres other than jute.	6,000	4,500	5,000	93	93		
	Mulberry ...	100	...	...	...	...
	Bhadol non-food crops other than fodder and fibres.	4,000	2,100	2,000	83	83		
BANGALORE.	Total ...	160,200	123,800	125,000	83	100		
	Bhadol paddy (autumn rice).	144,100	123,100	123,100	83	93		The weather was favourable.
	Indian corn (maize) ...	1,800	1,900	1,900	75	93		
	Other bhadol cereals ...	1,400	1,300	1,200	67	100	Middle of October. Early.	
	Bhadol fruits and vegetables, including root-crops.	10,000	10,000	10,000	67	83		
	Mulberry ...	1,000	(25)	100	67	83		
	Bhadol non-food crops other than fodder and fibres.	2,800	2,800	2,800	100	100		
	Total ...	161,200	148,000	148,100	82	92		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
BAKURA.		Acrea.	Acrea.	Acrea.				
	Bhadol paddy (autumn rice).	21,900	5,300	6,000	93	108	Middle to end of September. Late in some places.	The weather was good. The rainfall was reasonable and abundant except in some parts of the district where the sowings of aus paddy were somewhat delayed.
	Bajra	800	700	700	83	108		
	Mandua, marua or rai	1,100	800	900	63	108		
	Indian corn (maize) ...	8,400	3,200	4,000	63	108		
	Other bhadol cereals ...	2,000	1,500	1,500	63	108	Middle of August. Normal.	
	Other bhadol pulses ...	2,000	1,500	1,500	63	108		
	Bhadol fruits and vegetables, including root-crops.	2,900	1,500	1,500	63	100		
	Other bhadol food-crops	3,700	4,400	4,000	67	100		
	Bhadol fibres other than jute.	800	700	1,000	83	108		
	Bhadol non-food crops other than fodder and fibres.	1,200	1,000	1,800	75	100		
	Total ...	43,900	21,600	22,900	81	103		
MIDNAPORE.								
	Bhadol paddy (autumn rice).	265,400	102,700	210,700			September. Normal.	The weather was not favourable. Owing to heavy rainfall in the beginning and to subsequent drought, the outturn is expected to fall below the normal.
	Jowar	800	...	800				
	Bajra	1,200	1,400	500				
	Indian corn (maize) ...	6,000	6,000	5,000				
	Indigo	100	...	...		
	Other bhadol cereals ...	10,100	6,400	10,500				
	Other bhadol pulses ...	29,300	6,200	8,400				
	Bhadol fruits and vegetables, including root-crops.	26,000	4,400	7,800	88	82		
	Other bhadol food-crops.	7,400	5,300	5,900				
	Bhadol fodder crops other than jowar, bajra, marua and maize.	800	600	900				
	Bhadol fibres other than jute.	7,100	1,300	1,600				
	Mulberry	10,300	100	300				
	Bhadol non-food crops other than fodder and fibres.	400	4,300	2,800				
	Total ...	380,500	137,700	254,500	68	83		
HOOGLY.								
	Bhadol paddy (autumn rice).	45,500	29,600	27,100	74	80	Sadar—Beginning of September. Early. Serampore and Arambagh—End of September. Normal.	The weather was favourable in the Sadar and Serampore subdivisions, but was unfavourable in the Arambagh subdivision where floods caused damage to the extent of about 33 per cent.
	Indian corn (maize) ...	200	100	100	100	80		
	Other bhadol cereals ...	600	400	400	46	100		
	Other bhadol pulses ...	600	100	200	66	100		
	Bhadol fruits and vegetables, including root-crops.	3,100	3,800	3,600	65	99		
	Other bhadol food-crops	1,700	600	100	73	100		
	Bhadol fodder crops other than jowar, bajra, marua and maize.	100	100	100	80	100		
	Bhadol fibres other than jute.	100	100	100	84	100		
	Mulberry	100	...	...	...	...
	Bhadol non-food crops other than fodder and fibres.	800	...	...	...	...
	Total ...	51,900	35,000	31,700	78	91		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.		
			Last year.	This year.	Last year.	This year.				
HOWRAH.		Acres.	Acres.	Acres.						
	Bhadol paddy (autumn rice).	18,500	7,700	9,800	80	100	Middle of October. Late.	The weather was favourable.		
	Indian-corn (maize) ...	300	100	100	67	83	Middle of October. Normal.			
	Other bhadol cereals ...	1,300	900	1,000	80	78				
	Other bhadol pulses ...									
	Bhadol fruits and vegetables, including root-crops.	17,300	8,300	8,000	67	71	Middle of October. Late.			
	Other bhadol food-crops	2,700	1,400	1,300	88	88				
	Bhadol fodder crops other than jowar, bajra, marua and maize.	1,800	400	600	88	67				
	Total	41,500	13,800	18,200	87	85				
	RAJSHAH.	Bhadol paddy (autumn rice).	168,000*	288,000	183,000	51	91	Middle of August to middle of September. Normal.	Figures for normal area and current year's area under bhadol paddy have been revised after careful enquiry. The weather was favourable since the submission of the preliminary forecast. Want of rain at sowing time has caused the outturn to fall below the normal.	
Jowar ...		100	300	300	47	60				
Mandua, marua or ragi		300	300	300	60	60				
Indian-corn (maize) ...		1,100	1,300	1,300	61	70				
Other bhadol cereals ...		2,800	6,000	6,000	80	84				
Other bhadol pulses ...		2,000	1,900	1,900	80	60				
Bhadol fruits and vegetables, including root-crops.		2,300	3,500	3,400	46	60				
Other bhadol food-crops.		1,500	3,000	3,000	40	88				
Bhadol fodder-crops other than jowar, bajra, marua and maize.		4,800	4,800	4,800	40	68				
Bhadol fibres other than jute.		300	400	400	67	64				
Mulberry ...		1,000	700	700	67	70				
Bhadol non-food crops other than fodder and fibres.		600	900	900	60	88				
Total		187,500*	307,900	304,900	61	87				
DINAGPUR.		Bhadol paddy (autumn rice).	180,700	183,700	99,600	71	78	Last week of August. Normal.		The decrease in area was due to want of sufficient rainfall at the sowing season. The outturn is much below the normal owing to unfavourable weather.
		Jowar ...	1,300	1,700	1,900	84	74			
	Bajra ...	100	300	200	78	76				
	Mandua, marua or ragi	...	300	400	83	66				
	Indian-corn (maize) ...	1,000	900	900	71	88				
	Other bhadol cereals ...	1,600	400	600	64	49				
	Other bhadol pulses ...	900	400	700	69	76				
	Bhadol fruits and vegetables, including root crops.	1,700	1,300	700	49	66				
	Other bhadol food-crops	100	300	1,100	60	74				
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	...	600	400	64	79				
	Bhadol non-food crops other than fodder and fibres.	300				
	Total	127,400	186,600	109,400	71	77				

* Revised.

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.	
			Last year.	This year.	Last year.	This year.			
JALPAIGURI.		Acres.	Acres.	Acres.					
	Bhadol paddy (autumn rice).	196,000	172,400	108,900	80	88	Middle of August. Normal.	The decrease in area as compared with last year was due to want of timely rainfall.	
	Mandua, marua or ragi	200	200	200	66	100	Second week of October. Normal.		
	Indian-corn (maize) ...	4,000	2,700	2,600	80	92	Middle of August. Normal.	The weather was favourable since the submission of the preliminary forecast.	
	Other bhadol cereals ...	2,100	1,000	900	70	70			
	Other bhadol pulses ...	2,200	1,700	2,000	70	70	First week of November. Normal.		
	Bhadol fruits and vegetables, including root-crops.	15,500	12,100	12,600	70	71	First week of August. Normal.	The bhadol pulses were badly damaged in the Mahaguri Tahsil by the insects called "Achu."	
	Other bhadol food-crops	9,200	5,800	6,800	70	80	Third week of October.		
	Bhadol fodder crops other than jowar, bajra, marua and maize.	5,000	3,000	3,000	75	75	August. Normal.		
	Bhadol fibres other than jute.	100	100	100	70	70			
	Bhadol non-food crops other than fodder and fibres.	2,000	2,000	2,000	75	75			
	Total ...	226,800	204,000	141,700	79	86			
DARJEELING.									
	Bhadol paddy (autumn rice).	7,200	2,800	2,700	88	88	15th September. Normal.	Since the submission of the preliminary forecast the weather was favourable.	
	Mandua, marua or ragi	5,200	2,600	2,600	77	78			
	Indian-corn (maize) ...	40,800	48,700	48,700	92	100			
	Other bhadol cereals ...	2,200	700	700	92	87			
	Other bhadol pulses ...		1,700	1,600	100	100			
	Bhadol fruits and vegetables, including root-crops.	400	200	100	100	63			
	Tea	52,000	54,700	54,700	100	108			
	Other bhadol food-crops	5,200	4,400	4,400	92	92			
	Bhadol fodder-crops, other than jowar, bajra, marua and maize.	...	100	100	100	67			
	Other bhadol non-food crops other than fodder and fibres.	2,900	1,300	1,100	92	83			
	Total ...	110,500	110,800	118,700	95	102			
RANGPOO.									
	Bhadol paddy (autumn rice).	292,500	210,100	296,900	80	82	July. Normal.	The decrease in area is due to small area being sown in the Niphamari subdivision. The weather was not favourable at sowing time and the growth of the plants was retarded by want of rain in the latter part of April and May. Since then the weather was favourable. Except for want of rain there has been no appreciable damage.	
	Jowar	200	200	200	100	100			
	Indian-corn (maize) ..	100	100	100	100	75			
	Other bhadol cereals ...	20,000	4,900	5,200	80	66	October. Normal.		
	Other bhadol pulses ...								
	Bhadol fruits and vegetables, including root-crops.	10,000	1,400	2,900	90	80	August. Normal.		
	Other bhadol food-crops	16,000	800	800	90	65			
	Bhadol non-food crops other than fodder and fibres.	20,000	20,000	20,000	100	80			
	Total ...	320,800	327,700	326,700	90	83			

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated out-turn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, usual or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
BOHRA.	Acres.	Acres.	Acres.					
	Bhadol paddy (autumn rice).	140,000	111,700	125,000	80	90	Middle of August.	The weather was favourable since the submission of the preliminary forecast except for some damage caused by flood in the eastern part of the district. The outturn is below the normal owing to unfavourable weather at sowing time and to damage caused by flood.
	Jowar ... ..	...	100	100	80	90	Normal.
	Bajra ... ..	...	(10)	(10)	...	75	
	Mandua, marua or ragi.	...	(20)	(10)	87	100		
	Indian-corn (maize) ...	...	2,000	2,000	75	75	
	Other bhadol cereals ...	2,500	1,500	1,500	36	50		
	Other bhadol pulses ...	...	400	300	24	48	
	Bhadol fruits and vegetables, including root-crops.	2,000	200	300	67	50		
	Other bhadol food-crops	2,000	400	400	25	50		
	Bhadol fodder crops other than jowar, bajra, marua and maize.	...	100	100	45	65		
	Mulberry	100	(8)	(5)	45	90		
	Bhadol non-food crops other than fodder and fibres.	200	...	...	...	...
	Total ...	146,800	117,400	129,700	60	89		
PARNA.	Bhadol paddy (autumn rice).	140,000	180,000	172,500	60	79	By the end of July.	The decrease in area was due to unfavourable weather condition at sowing time. Want of rain at sowing time damaged the crops to some extent, but the rainfall in June improved their growth. About 21 per cent. of the crops was damaged by the flood in Jul. Since the submission of the preliminary forecast, there was no considerable change of weather affecting the outturn.
	Indian-corn (maize) ...	...	...	100	...	62	Late.
	Other bhadol cereals ...	...	...	...	...	...
	Other bhadol pulses ...	6,000	6,500	6,100	64	79		
	Bhadol fruits and vegetables including root-crops.	...	...	100	...	63	
	Other bhadol food-crops	20,000	20,000	14,900	60	71		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	2,500	3,500	700	64	71		
	Bhadol fibres other than jute.	...	...	600	...	88	
	Total ...	181,500	220,000	195,000	61	78		
	Bhadol paddy (autumn rice).	278,600	251,000	249,200	100	100	Later part of July.	The weather was favourable since the submission of the preliminary forecast. Slight damage has been done to bhadol paddy and maize by flood.
MALDA.	Jowar	1,500	1,800	1,800	100	92	Normal.	
	Bajra	1,400	1,300	1,200	80	88		
	Mandua	1,600	1,300	1,200	50	67		
	Indian-corn (maize) ...	29,700	16,000	16,000	75	92		
	Other bhadol cereals ...	2,300	2,500	2,800	80	83		
	Other bhadol pulses ...	100	100	100	80	83		
	Bhadol fruits and vegetables, including root-crops.	9,700	6,500	8,800	80	83		
	Mulberry	6,000	12,800	13,800	100	100	August.	
	Other bhadol food-crops	20,000	19,400	19,500	80	83	Normal.	
	Bhadol fodder crops, other than jowar, bajra, marua and maize.	2,000	1,100	2,000	60	84		
DACA.	Bhadol fibres other than jute.	7,000	1,500	1,800	60	84		The decrease in outturn except in the case of bhadol paddy and mulberry is due to stunted growth owing to absence of sufficient rain after sowing and partly to want of manuring of fields.
	Bhadol non-food crops other than fodder and fibres.	2,400	3,000	2,000	75	75		
	Total ...	263,500	223,400	221,600	96	97		
	Bhadol paddy (autumn rice).	224,700	267,900	267,400	87	80	July.	
	Bhadol fruits and vegetables, including root-crops.	5,000	4,000	4,100	73	70	Normal	
	Other bhadol food-crops	29,800	19,500	19,500	93	99		
DACA.	Bhadol fodder crops other than jowar, bajra, marua and maize.	2,100	1,800	1,800	90	90		The weather was favourable. The bhadol paddy and bhadol fruits and vegetables suffered considerable damage from drought in the early stages. Hence the outturn is below the normal.
	Total ...	275,900	263,300	292,800	86	81		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year, and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
MYNENSINGH.	Bhadol paddy (autumn rice).	Acres. 230,800	Acres. 466,500	Acres. 466,800	60	92	The weather was generally favourable since the submission of the preliminary forecast. The outturn is below the normal owing to damage caused by drought in some places.
	Bhadol fruits and vegetables, including root-crops.	5,800	5,500	5,500	45	75		
	Other bhadol food-crops	43,000	43,000	43,000	60	75		
	Bhadol fodder crops other than jowar, bajra, marua and maize.	64,000	54,000	64,000	35	58		
	Total ...	303,600	579,000	579,000	67	87		
FARIDPUR.	Bhadol paddy (autumn rice).	232,500	237,200	230,700	90	71	Middle of July. Normal.	The decrease in area was due to increase in area under jute. The weather has been favourable since the submission of the preliminary forecast, but the crops were damaged to the extent of about 39 per cent. owing to flood.
	Bhadol fruits and vegetables, including root-crops.	25,300	22,300	22,000	74	70		
	Other bhadol food-crops	500	500	500	78	79		
	Total ...	258,300	259,900	254,200	89	71		
BARANASI.	Bhadol paddy (autumn rice).	126,000	260,000	200,000	75	63	April and May. A little late. February to May. Normal.	The flood at the beginning of August and insect-pests caused some damage. The outturn has consequently fallen below the normal.
	Other bhadol pulses ...	1,000	500	500	75	67		
	Bhadol fruits and vegetables, including root-crops.	140,000	140,000	140,000	75	58		
	Bhadol non-food crops other than fodder and fibres.	1,400	1,500	1,500	75	75		
	Total ...	278,400	302,000	443,000	75	75		
CHITTAGONG.	Bhadol paddy (autumn rice).	302,000	304,000	194,500	66	100	August to October. Normal.	The weather was generally favourable for the bhadol crops except for tea for which more rain was needed in October.
	Indian-corn (maize) ...	200	200	200	100	83		
	Other bhadol pulses ...	200	200	200	95	92		
	Bhadol fruits and vegetables, including root-crops.	2,400	2,500	2,500	100	93		
	Other bhadol food-crops	1,800	1,500	1,500	99	100		
	Bhadol fodder crops other than jowar, bajra, marua and maize.	5,400	4,000	4,000	100	100		
	Bhadol fibres other than jute.	300	500	300	100	100		
	Bhadol non-food crops other than fodder and fibres.	100	100	100	100	100		
	Tea ...	5,000	5,000	5,400	94	83		
	Total ...	318,900	317,900	308,800	95	99		
TIPPERA.	Bhadol paddy (autumn rice).	220,000	214,000	202,000	90	82	July. Normal	The decrease in area was due to want of timely rainfall.
	Other bhadol cereals ...	1,100	600	600	75	100		
	Other bhadol pulses ...	1,000	1,100	1,000	60	100		
	Bhadol fruits and vegetables, including root crops.	7,300	5,100	4,300	60	67		
	Other bhadol food crops	1,000	700	700	80	100		
	Bhadol fodder-crops other than jowar, bajra, marua and maize.	9,000	9,000	8,000	80	100		
	Bhadol non-food crops other than fodder and fibres.	7,000	5,000	5,000	75	100		
	Total ...	248,400	235,500	221,600	80	84		

District.	Names of crops.	Estimated normal area under each crop.	Estimated area under each crop.		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which the harvesting of each crop was begun this year and whether that date was early, normal or late.	Remarks by District Officers.
			Last year.	This year.	Last year.	This year.		
NOAHALL.	<i>Bhadol</i> paddy (autumn rice).	304,000	319,000	319,000	79	85	July. Normal	The effects of weather on the cultivation and growth of the crops were on the whole fair.
	<i>Bhadol</i> fruits and vegetables, including root-crops.	1,000	1,000	1,000	90	85		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	2,000	2,000	2,000	90	90		
	Other <i>bhadol</i> non-food crops other than fodder and fibres.	(\$1)	---	---	---	---		
	Total ...	307,000	315,000	315,000	79	85		
CHITTAGONG HILL TRACTS.	<i>Bhadol</i> paddy (autumn rice).	168,000	168,000	168,000	85	80	August to September. Normal.	The weather has been fair since the submission of the preliminary forecast. The outturn has fallen much below the normal owing to insufficient rainfall.
	Indian-corn (maize) ...	2,100	1,800	1,400	46	45		
	Other <i>bhadol</i> pulses ...	4,000	2,000	4,000	60	55		
	Other <i>bhadol</i> food-crops.	7,000	6,800	7,000	46	40		
	Total ...	201,100	187,800	180,400	55	50		
TOTAL BEGAL.	<i>Bhadol</i> paddy (autumn rice).	5,110,500†	5,086,800	4,961,600	77	87		
	Jowar ...	4,200	3,700	4,200	77	82		
	Bajra ...	4,000	2,900	2,800	82	89		
	Mandua, marua or ragi.	9,100	6,700†	7,400	78	78		
	Indian-corn (maize) ...	103,100	88,100†	88,000	85	95		
	Other <i>bhadol</i> cereals ...	129,100	77,500†	86,100	70	76		
	Other <i>bhadol</i> pulses ...							
	Indigo ...	1,100	10,100	11,700	71	72		
	<i>Bhadol</i> fruits and vegetables including root-crops.	214,800	254,700†	261,200	73	85		
	Other <i>bhadol</i> food-crops	212,700	164,300	149,900	71	78		
	<i>Bhadol</i> fodder crops other than jowar, bajra, marua and maize.	107,300	103,200	103,900	47	56		
	<i>Bhadol</i> fibres other than ...	16,200	9,300	11,700	62	84		
	Mulberry ...	22,800	17,800	17,800	93	101		
	Tea ...	27,000	29,700†	20,100†	100	106		
	<i>Bhadol</i> non-food crops other than fodder and fibres.	118,200	67,600	64,200	89	78		
	Total ...	6,316,100†	5,923,200	5,827,900	77†	85		

* Exclusive of figures for Jalpaiguri and the Chittagong Hill Tracts.
† Revised.

APPENDIX II.

Abstract statement of estimated acreage and outturn of the autumn rice, 1919.

Province.	AREA (IN ACRES).					YIELD (IN CWTs.).								
	Of current year's crop.	Of previous year's crop.	Average of preceding—		Percentage by which column 2 exceeds (+), or is less than (-), area in—		Estimated yield of current year, i.e., of area in column 2.	Yield of previous year, i.e., of area in column 3.	Average of preceding—		Percentage by which column 7 exceeds (+), or is less than (-), yield in—			
					Column 5.	Column 6.					Column 8.	Column 9.		
1	2	3	4	5	6	7	8	9	10	11				
			Five years.	Ten years.	Five years.	Ten years.			Five years.	Ten years.	Five years.	Ten years.		
Bengal	4,941,800	5,066,800	5,108,500	5,150,000	- 2.07	- 2.88	- 2.65	33,299,400	30,045,800	29,976,400	30,202,700	+10.64	+11.00	+10.23

DEPARTMENT OF AGRICULTURE, BENGAL.

Third Forecast of the Cotton Crops of Bengal, 1919-20.

(NOTE.—On an average of the five years ending 1917-18, the area under the cotton crops in Bengal has represented some 0.3 per cent. of the total area under cotton in India.)

THE "early" crop is chiefly grown in the Chittagong Hill Tracts and in the State of Hill Tippera and to a small extent in other districts. The "late" crop is grown mainly in Bankura and Midnapore.

Character of the season.—As reported in the second forecast, the weather was generally favourable excepting in the Chittagong Hill Tracts, where heavy rain in July and August affected the crop. Subsequently the weather proved somewhat favourable to both the crops generally, but rainfall in the middle of November caused considerable damage in the Chittagong Hill Tracts and thus reduced the outturn appreciably. The prospects of late crop, so far, are reported to be fair.

Area sown.—The total area sown with the early crop is reported to be 66,697 acres and that with the late crop 2,161 acres this year, against 70,786 and 2,203 acres, respectively, in the corresponding and final forecasts of last year.

Outturn.—The estimated outturn of the early crop is reported to be 19,539 bales this year against 25,272 and 30,908 bales, respectively, in the corresponding and final forecasts of last year. The outturn of the late crop is returned at 1,000 bales against 919 and 737 bales, respectively, in the corresponding and final forecasts of last year.

R. S. FINLOW,

Offg. Director of Agriculture, Bengal.

Dacca,

The 11th December 1919.

DEPARTMENT OF AGRICULTURE, BENGAL.

Second Forecast of the Winter Rice Crop of Bengal, 1919-20.

(NOTE.—On an average of the five years ending 1917-18 the area under winter rice in Bengal represents some 19·1 per cent. of the total area under rice in British India.)

Character of the season.—As reported in the first forecast, the weather has been favourable throughout for the broadcast *aman* rice crops. In West Bengal it was also exceptionally good for transplanted *aman* rice in the period July-September. Insufficient rain in October, however, affected the yield of crops on high lands to a slight extent. In East and North Bengal the conditions were not good for transplanted rice in July and August owing to deficient rainfall during this period. At one time matters looked somewhat serious, and large areas were transplanted at a later date than is usual. In September, however, the rainfall was generally in excess and the heavy rain brought by the cyclone in East Bengal did great good to late transplanted rice. On the whole, it may be said that the broadcast *aman* rice is very good and that the transplanted rice crop is satisfactory.

Acresage.—According to district officers' estimates the total area under winter rice amounts to 15,551,400 acres as against 15,379,400 acres in the first forecast of this year and 15,962,100 acres in the corresponding forecast of last year. The increase of 172,000 acres over the first forecast was due to good rainfall in September.

Outturn.—From the district returns appended it will be seen that Bankura, Malda and Bakarganj report more than a normal crop and seventeen districts report a crop between 80 and 92 per cent. The outturns for the remaining seven districts are as follows :—

Burdwan, Hooghly, Rangpur and Noakhali (75 per cent. each), Nadia and Murshidabad (67 per cent. each), and the Chittagong Hill Tracts (50 per cent.).

As compared with the first forecast the crop has improved in ten districts, deteriorated in eleven and remained stationary in the rest.

On the basis of the above figures the provincial outturn is estimated at 89 per cent. of the normal against 77 per cent. in the corresponding forecast of last year.

I consider 90 per cent. a fair estimate, and accepting this figure the gross outturn for the province, on the basis of a normal yield of 12½ maunds of clean grain per acre, is estimated at 128,537,100 cwts. against 112,874,900 cwts. returned in the corresponding forecast of last year.

R. S. FINLOW,
Offg. Director of Agriculture, Bengal.

Dacca,
The 13th December 1919.

APPENDIX I.

Second Forecast of the Winter Rice Crop of Bengal, 1919-20.

District.	Estimated normal area under winter rice.	Estimated area under winter rice.		Estimated outturn as a percentage of the normal yield per unit of area.		The date by which the harvesting generally commenced this year, and whether that date was early, normal or late.		Remarks by District Officers.
		Last year. (1918-19).	This year. (1919-20).	Last year.	This year.			
	Acres.	Acres.	Acres.					
24 Pargannas ...	1,041,800	892,200	892,100	83	82	November.	Normal.	Excessive rain since the submission of the first forecast has caused a little damage to crops on low lands in the Diamond Harbour subdivision and unusual heavy rainfall in the Basirhat subdivision damaged to some extent the plants in the Sunderban tracts owing to branches in the embankments. Hence the outturn is expected to fall below normal.
Badia ...	126,600	125,600	120,100	86	87	Not yet commenced		The increase in area sown is due to the favourable weather at the sowing time. The outturn is expected to be much below the normal owing to want of rain since the submission of the first forecast.
Murshidabad ...	346,000	326,300	318,700	88	87	Ditto		The increase in area sown as compared with the first forecast is due to subsequent transplantation. Crop suffered for want of sufficient rainfall. About 75 per cent. of the crop has been damaged owing to drought and flood in Jangipur subdivision. The outturn is expected to fall below the normal on account of drought at the flowering time.
Jessore ...	468,100	462,500	463,300	87	80	Beginning of November.	Normal.	The decrease in area sown as compared with that of the last area is due to the corresponding increase of jute area and also owing to inundation at the time of sowing and transplantation. Insect pests have affected the crops in Bongaon and Magura subdivisions. The outturn is expected to be below normal owing to the damage caused by flood and insect-pests.
Khulna ...	826,200	784,100	702,700	83	82	Ditto		The outturn is expected to fall below normal owing to the damage caused by the cyclone.
Bardwan ...	874,800	700,000	726,000	86	75	Not yet commenced		The weather since the submission of the first forecast has not been favourable except at Axamul. Insufficient rainfall in the latter part of September and in October has considerably reduced the outturn of the late transplanted crop. The rainfall in November is likely to do much more harm than good and the outturn is expected to fall much below the normal.
Birbhum ...	604,800	601,600	601,800	87	83	Ditto		The weather has been good and a fairly good outturn is expected.
Bakura ...	610,600	620,000	526,000	82.5	125	Second week of November.	Normal.	Insufficient rainfall in the latter part of September and in October affected the crop on high lands in parts of the district. Since the submission of the first forecast about 22 per cent. of crop has been affected by drought and insufficient rainfall.
Midnapore ...	1,327,100	1,648,000	1,492,400	60	83	First week of December.	Normal.	Want of rainfall has adversely affected the growth of crops.
Hooghly ...	276,700	194,800	208,400	73	73	Not yet commenced		The weather has not been favourable since the submission of the first forecast. Insufficient rainfall has affected the crops seriously. The outturn is expected to fall much below the normal owing to long continued drought.
Howrah ...	125,200	114,600	119,800	79	80	Ditto		The weather has not been favourable since the submission of the first forecast. Want of rain in the latter part of the season retarded growth of the crops.
Rajshahi ...	697,000	620,000	656,200	83	80	Ditto		The outturn is anticipated to fall below normal owing to insufficient rainfall at the sowing time.
Dinajpur ...	1,120,300	1,019,100	1,029,000	87.2	83	Ditto		The increase in area sown is due to sufficient rainfall since the submission of the first forecast. Owing to the weather being not favourable at the beginning, the outturn is estimated to fall below the normal.
Jaipur ...	551,300	497,400	417,600	86	80	Ditto		The outturn is expected to fall below the normal owing to unfavourable weather and want of sufficient rainfall at the time of sowing.
Darjeeling ...	64,200	28,900	39,800	92	93	First week of November.	Normal.	Effects of weather on the growth of crop have been fairly good on the whole.
Rangpur ...	622,300	674,000	600,000	88	75	Not yet commenced		The outturn is expected to be much below normal owing to drought in August.
Sogra ...	302,000	440,000	447,000	64	86	End of November.	Normal.	The weather was favourable up to the third week of October, but continued absence of rain since then has done injury to the late transplanted paddy. On account of low flood paddy on high lands in the eastern part of the district was damaged. Hence the outturn falls below the normal.
Patna ...	666,000	430,000	232,300	80	92	First week of November.	Normal.	The present prospect is promising.
Makha ...	326,200	220,000	208,000	80	117	Latter part of November.	Normal.	The weather has been favourable on the whole, though in some places crop suffered a little for want of rain in the latter part of October. More than normal outturn is expected.

District.	Estimated normal area under winter rice.	Estimated area under winter rice.		Estimated outturn as a percentage of the normal yield per unit of area.		The date by which the harvesting generally commenced this year and whether that date was early, normal or late.	Remarks by District Officers.
		Last year (1918-19).	This year (1919-20).	Last year.	This year.		
	Acrea.	Acrea.	Acrea.				
Dacca ...	647,900	649,000	655,900	75	85	Beginning of November. Normal.	The weather was quite reasonable and a very good crop was expected until 24th September when a severe cyclone swept over the district. Since then the weather has been favourable. The cyclone made considerable damage; the outturn is therefore estimated to fall below the normal.
Mymensingh ...	1,126,700	969,700	969,700	75	92	Not yet commenced	The weather was generally favourable. The outturn is below the normal owing to cyclone and want of rain in some parts of the district, specially at the sowing time.
Faridpur ...	770,100	740,000	734,700	89	84	End of October. Normal.	The weather has been fairly favourable. Some damage was done by cyclone which accounts for the estimated outturn to fall below the normal.
Bakarganj ...	1,200,000	1,240,000	1,245,500	120	117	November. Normal.	The weather has been favourable and the outturn is expected to be above normal.
Chittagong ...	418,400	426,100	420,600	96	83	November and December. Normal.	Insufficient rainfall in the month of October and cloudy weather without rain for some days in November is likely to reduce the outturn.
Tippura ...	724,800	780,600	806,500	80	93	November. Normal.	Increase in area is due to favourable weather. Slight damage was, however, done to the crop by the cyclone of September.
Noakhali ...	610,000	600,000	600,000	85	75	Early in November. Normal.	Insufficient rainfall in October has been harmful to the crop in the Sadar subdivision. Some damage was caused by <i>ufra</i> disease. In Feni subdivision the rainfall in October has done good.
Chittagong Hill Tracts.	47,800	41,600	46,000	100	80	Not yet commenced.	The outturn is expected to fall much below the normal for want of sufficient rainfall.
Total Bengal	16,845,900	16,696,800	16,851,400	73	89		

APPENDIX II.

Abstract Statement of the Estimated Acreage and Outturn of the Winter Rice Crop of Bengal, 1919-20.

Province.	AREA (IN ACRES).						YIELD (IN CWT.).							
	Of current year's crop (1919-20).	Of previous year's crop (1918-19).	Average of preceding—		Percentage by which column 2 exceeds (+), or is less than (-), area in—		Estimated yield of current year, i.e., of area in column 2.	Yield of previous year, i.e., of area in column 3.	Average of preceding—		Percentage by which column 7 exceeds (+), or is less than (-), yield in—			
			Column 3.	Column 4.	Column 5.	Column 6.								
1	2	3	4	5	6	7	8	9	10	11				
			Five years.	Ten years.	- 2.1	+ 3.4	+ 3.3			Five years.	Ten years.	+ 21.2	+ 5.4	- 5.6
Bengal	16,551,400	15,696,800	15,182,400	15,071,900	- 2.1	+ 3.4	+ 3.3	128,637,100	108,106,900	121,897,000	126,110,600	+ 21.2	+ 5.4	- 5.6

APPENDIX III.

Statement showing the Normal and Actual Rainfall in inches in each district in September and October 1919.

District.	SEPTEMBER.		OCTOBER.	
	Normal.	Actual.	Normal.	Actual.
1	2	3	4	5
	Inches.	Inches	Inches.	Inches.
1. 24-Parganas	9.89	5.63	4.64	1.67
2. Nadia	7.73	7.11	3.66	1.35
3. Murshidabad	9.28	6.93	3.43	2.59
4. Jessore	8.55	9.16	4.32	2.18
5. Khulna	9.95	15.51	5.04	2.83
6. Bardwan	8.44	5.64	3.48	2.36
7. Birbhum	9.51	8.24	3.19	2.74
8. Bankura	8.40	8.90	2.76	1.92
9. Midnapore	9.15	4.22	4.66	1.82
10. Hooghly	8.66	4.81	3.75	0.88
11. Howrah	8.68	4.10	3.55	1.96
12. Rajshahi	9.74	8.45	3.59	4.64
13. Dinajpur	11.47	12.23	3.47	4.00
14. Jalpaiguri	21.93	30.91	6.15	9.58
15. Darjeeling	17.55	22.84	4.52	1.70
16. Rangpur	13.14	12.19	4.72	8.31
17. Bogra	10.84	10.31	4.30	3.10
18. Pabna	8.19	9.77	4.21	2.68
19. Malda	8.87	9.21	3.41	4.55
20. Dacca	8.70	6.09	4.66	2.69
21. Mymensingh	12.26	14.51	4.95	8.72
22. Faridpur	7.11	15.96	5.25	3.43
23. Bakarganj	11.53	15.54	6.38	2.66
24. Chittagong	12.82	20.47	7.31	2.05
25. Tippera	9.84	15.94	5.17	3.08
26. Noakhali	14.52	19.04	8.06	2.68
27. Chittagong Hill Tracts ..	12.79	15.15	7.01	2.65

DEPARTMENT OF AGRICULTURE, BENGAL.

First Forecast of the Spring Oilseed Crops of Bengal, 1919-20.

(Note.—On an average of the five years ending 1917-18, the area under linseed in Bengal has represented some 5·5 per cent, and that under rape and mustard 19·3 per cent, of the total area under these crops in British India.)

Explanatory.—Three forecasts are issued for the spring oilseed crops. The present one deals only with the area sown and the general condition of the crops.

Area sown.—Oilseeds are grown chiefly in Rajshahi, Dacca and the Presidency Divisions. In the other two divisions the cultivation is small. The total area under these crops (excepting sesamum for which separate forecasts are issued) is reported to be 1,280,000 acres this year against 1,296,800 and 1,304,800 acres respectively in the corresponding and final forecasts of last year.

Character of the season.—The rainfall in September was generally in excess of the normal in North and East Bengal and was somewhat defective in West Bengal. There was plenty of moisture in the soil for preparatory tillage which began in usual time. Light rain in October facilitated the sowings of the crops. In the early part of November, the sowings were somewhat retarded in some parts of West Bengal through lack of soil moisture, but rainfall in the middle of the month greatly facilitated matters. The outlook is, so far, reported to be promising.

DACCA,
The 17th December 1919.

R. S. FINLOW,
Offg. Director of Agriculture, Bengal.

APPENDIX I.

First Forecast of the Spring Oilseed Crops of Bengal, 1919-20.

District.	Name of spring oilseed crops.	Estimated normal area under spring oilseeds.	ESTIMATED AREA UNDER SPRING OILSEEDS.		Date by which the sowing of the crops was begun this year.	Remarks by District Officers.
			Last year (1918-19).	This year (1919-20).		
		Acres.	Acres.	Acres.		
24-Parganas ...	Linseed ...	1,600	600*	600*	October to second week of November.	The sowings were normal. The weather has been favourable and condition of the crops is fair.
	Rape and mustard ...	1,500	900*	800*		
	Other oilseeds (excepting <i>iii</i>).	800	300	300		
	Total ...	3,400	1,700	1,600		
Nadia ...	Linseed ...	55,700	39,300	33,400	October ...	The sowings were normal. The weather has been favourable except in the Hanughat subdivision and in parts of the Sadar subdivision. The condition of the crops is good.
	Rape and mustard ...	23,600	14,400	15,300		
	Other oilseeds (excepting <i>iii</i>).	18,900	4,100	3,700		
	Total ...	98,100	49,900	39,400		
Murshidabad ...	Linseed ...	20,800	15,000	14,900	Middle of October.	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	18,900	13,800	14,700		
	Other oilseeds (excepting <i>iii</i>).	8,700	3,100	3,400		
	Total ...	48,400	31,900	33,000		
Jessore ...	Linseed ...	24,000	9,400	8,200	October and November.	The sowings were normal and the weather has been favourable. The condition of the crops is good on the whole.
	Rape and mustard ...	49,600	18,000	17,600		
	Other oilseeds (excepting <i>iii</i>).	3,300	1,900	2,300		
	Total ...	76,900	29,300	28,100		
Khulna ...	Linseed ...	900	100	100	First week of November.	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	29,700	18,600	19,800		
	Other oilseeds (excepting <i>iii</i>).	100	300	...		
	Total ...	30,700	19,900	19,800		
Burdwan ...	Linseed ...	21,300	7,700	6,400	Last week of September to the second week of November.	The sowings were normal and the weather has been favourable. The condition of the crops is good in Avasol and Katwa and fair in Jajmouli subdivisions. In the Sater subdivision the crops are suffering for want of rain.
	Rape and mustard ...	21,100	8,100	8,200		
	Other oilseeds (excepting <i>iii</i>).	1,500	100	800		
	Total ...	43,900	15,900	15,400		
Birbhum ...	Linseed ...	900	800*	900*	October ...	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	2,000	2,000*	2,000*		
	Other oilseeds (excepting <i>iii</i>).	200	200	200		
	Total ...	3,000	3,000	3,100		

* Conventional area.

District.	Name of spring oilseed crops.	Estimated normal area under spring oilseeds.	ESTIMATED AREA UNDER SPRING OILSEEDS.		Date by which the sowing of the crops was begun this year.	Remarks by District Officers.
			Last year (1918-19).	This year (1919-20).		
		Acres.	Acres.	Acres.		
Baukhali	Linseed	1,000	1,000*	1,000*	October	The sowings were normal and favourable weather prevailed. The condition of the crops is fair.
	Rape and mustard ...	7,000	3,700	4,500		
	Other oilseeds (excepting oil).	3,000	3,600	4,000		
	Total ...	11,000	8,300	9,500		
Midnapore	Linseed	18,000	11,500	12,500	October	The sowings were normal and favourable weather prevailed. The condition of the crops is fair.
	Rape and mustard ...	21,000	11,000	11,500		
	Other oilseeds (excepting oil).	14,500	14,000	15,500		
	Total ...	53,500	36,500	39,500		
Hooghly	Linseed	800	700*	700*	End of October ...	The sowings were late for want of rain. The weather has not been favourable. The condition of the crops is poor.
	Rape and mustard ...	7,500	3,600	3,800		
	Other oilseeds (excepting oil).	2,700	700	700		
	TOTAL ...	11,000	5,300	5,200		
Howrah	Linseed	2,000	200	200	Beginning of November.	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	1,100	400	800		
	Other oilseeds (excepting oil).	100	100	100		
	Total ...	3,200	700	1,100		
Rajshahi	Linseed	28,000	14,500	14,000	Beginning of November.	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	74,000	37,800	46,100		
	Other oilseeds (excepting oil).	400	2,000	100		
	Total ...	102,400	54,300	60,200		
Dinajpur	Linseed	(40)	(20)*	(20)*	Middle of October	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard ...	70,000	30,600	37,600		
	Other oilseeds (excepting oil).	...	100	100		
	Total ...	70,000	30,700	37,800		
Jalpaiguri	Rape and mustard ...	55,400	31,400	40,300	By the end of October.	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Other oilseeds (excepting oil).	300	300	300		
	Total ...	55,700	31,700	40,600		

* Conventional area.

SUPPLEMENT TO THE CALCUTTA GAZETTE, DEC. 24, 1919. 1473

District.	Name of spring oilseed crops.	Estimated normal area under spring oilseeds.	ESTIMATED AREA UNDER SPRING OILSEEDS.		Date by which the sowing of the crops was begun this year.	Remarks by District officers.
			Last year (1918-19).	This year (1919-20).		
		Acres.	Acres.	Acres.		
Barjiling	Rape and mustard	7,000	2,800	2,800	Middle of October	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Other oilseeds (excepting the above)	200	200	200		
	Total	7,200	3,000	3,000		
Banspur	Rape and mustard	160,000	118,000	124,000	Latter part of October. Normal.	The sowings were normal. The weather has been favourable. The condition of the crops is good.
	Other oilseeds (excepting the above)	1,100	300	200		
	Total	161,100	118,300	124,200		
Bogra	Linseed	1,000	1,800	1,800	Middle of October	The weather condition was not favourable at the sowing time but has after wards become favourable.
	Rape and mustard	60,000	12,500*	14,000		
	Other oilseeds (excepting the above)	...	200	200		
	Total	61,000	13,800	16,100		
Pabna	Linseed	7,800	8,800	10,800	End of October	The sowings were normal. The weather has been favourable. The condition of the crops is good.
	Rape and mustard	110,000	114,500	79,900		
	Total	117,800	123,300	90,700		
Malda	Linseed	6,000	2,500	4,000	Middle of October	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard	20,000	10,000	11,000		
	Other oilseeds (excepting the above)	2,800	1,200	1,200		
	Total	28,800	14,700	16,200		
Dacca	Linseed	1,300*	4,600	1,400	Beginning of November.	The sowings were normal. The weather has been favourable. The condition of the crops is good. The increase in area sown, as compared with that of the last year, is due to some of the lands under winter paddy, damaged by cyclone, being utilized for growing spring oilseed crops.
	Rape and mustard	84,600*	74,900	78,700		
	Other oilseeds (excepting the above)	1,700*	...	1,700		
	Total	91,600	79,500	91,800		
Mymensingh	Linseed	13,500	12,800	13,500	Middle of October	The sowings were normal. The weather has been favourable. The condition of the crops is fair.
	Rape and mustard	480,700	472,300	473,200		
	Other oilseeds (excepting the above)	800	200	200		
	Total	494,000	485,300	486,900		
Faridpur	Linseed	5,800	6,100	6,300	October	The sowings were normal. The weather has been favourable. The condition of the crops is good.
	Rape and mustard	23,700	20,700	26,300		
	Other oilseeds (excepting the above)	1,100	1,100	1,100		
	Total	30,600	27,900	33,700		

* Revised on the basis of settlement records.

1474 SUPPLEMENT TO THE CALCUTTA GAZETTE, DEC/24, 1919.

District.	Name of spring oilseed crops.	Estimated normal area under spring oilseeds.	ESTIMATED AREA UNDER SPRING OILSEEDS.		Date at which the sowing of the crops was begun this year.	Remarks by District Officers.	
			Last year (1918-19).	This year (1919-20).			
		Acres.	Acres.	Acres.			
Bakarganj ...	Linseed	4,600	4,400	4,600	October and November.	The sowings were normal. The weather was favourable at the beginning of the season, but rain in the middle of November has damaged about 15 per cent. of the crops. The present condition of the crops is however good. Owing to high price of mustard oil the cultivation of the crop has increased.	
	Rape and mustard ...	1,100	1,600	3,000			
	Other oilseeds (excepting (ii)).	100	100	100			
	Total ...	5,800	6,000	7,600			
Chittagong ...	Linseed	100	100	100	October to November.	The sowings were normal. The weather has not been very favourable. The condition of the crops is fair.	
	Rape and mustard ...	5,600	2,000	2,000			
	Other oilseeds (excepting (ii)).	100	100	100			
	Total ...	5,800	2,200	2,200			
Tippera ...	Linseed	4,800	4,300	3,200	October ...	The sowings were normal. The weather has been favourable. The condition of the crops is fair.	
	Rape and mustard ...	24,900	26,200	26,100			
	Other oilseeds (excepting (ii)).	800	800	800			
	Total ...	40,500	31,300	29,900			
Noakhali ...	Linseed	5,000	6,000	7,000	November ...	The sowings were normal. The weather has been favourable for the growth of the crops. The condition of the crops is fair.	
	Rape and mustard ...	600	600	800			
	Other oilseeds (excepting (ii)).	700	900	900			
	Total ...	6,300	7,500	8,700			
Chittagong Hill Tracts.	Rape and mustard ...	12,400	12,000	12,100	Second week of November.	The sowings were normal. The weather was favourable so long, but the present cloudy weather attended with rain has damaged the crops to some extent.	
Total Bengal	Linseed	223,100	144,400	145,300			
	Rape and mustard ...	4,359,400	1,123,400	1,067,100			
	Other oilseeds (excepting (ii)).	67,600	25,000	27,700			
	Total ...	1,649,900	1,304,800	1,280,000			

MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR NOVEMBER 1919.

I. **Character of the season.**—During the middle of the month, rainfall was general throughout the province. The fall was above the average everywhere, excepting in Birbhum, and in some northern districts where it was defective. The usual rainfall statement is appended.

II. **Progress of agricultural operations.**—Harvesting of winter paddy commenced. Sowing of spring crops proceeded favourably, though lack of moisture in the early part of the month retarded operations somewhat in parts of West Bengal. The rainfall in the middle of the month greatly facilitated sowings.

III. **State of standing crops.**—The condition of standing crops was reported to be generally satisfactory.

IV. **Prospects and probable outturn.**—The rainfall in the middle of the month somewhat benefited the late transplanted paddy and greatly helped the growth of vegetables and other standing crops. The outturn of autumn crops was satisfactory for the province as a whole.

V. **Damage to standing crops.**—Some damage to highland winter paddy was caused by drought in Burdwan and Bankura, while early cotton in the Chittagong Hill Tracts suffered from too much rain in the middle of the month. *Ufra* disease and insects caused some damage in parts of Faridpur and Noakhali.

VI. **Condition of agricultural stock.**—The condition of live-stock was reported to be fair on the whole. Cattle-disease was, however, reported from places in Nadia, Murshidabad, Khulna, Birbhum, Jalpaiguri, Darjeeling, Malda, Mymensingh, Faridpur and Tippera.

VII. **Failure of pasturage and fodder.**—The supply of fodder was sufficient throughout the province except in parts of Khulna and Faridpur where insufficiency of fodder was reported.

VIII. **Prices of food-grains.**—During the second fortnight of the month the price of common rice rose in the districts of Khulna, Bankura, Dacca, Noakhali and the Chittagong Hill Tracts, fell in twelve districts and remained stationary in the remainder. It varied from 4½ seers a rupee in Khulna, Rangpur, Mymensingh and Bakarganj to 7 seers a rupee in Birbhum and Chittagong.

IX. **Condition of agricultural people.**—The condition of the agricultural population shewed a tendency towards improvement.

R. S. FINLOW,

Offg. Director of Agriculture, Bengal.

DACCA, the 12th December 1919.

Statement showing the normal and actual rainfall in each district during November 1919.

Division.	District.	Normal district rainfall for the month of November.	Actual district rainfall for the month of November 1919.	Variation from the normal.	Division.	District.	Normal district rainfall for the month of November.	Actual district rainfall for the month of November 1919.	Variation from the normal.
		Inches.	Inches.	Inches.			Inches.	Inches.	Inches.
Presidency	24 Parganas	0.48	2.49	+ 1.99	Rajshahi - contd.	Rangpur	0.23	0.08	- 0.15
	Cakutta	0.65	1.95	+ 1.30		Bogra	0.22	0.27	+ 0.05
	Nadia	0.65	1.06	+ 0.39		Naoga	0.43	0.68	+ 0.25
	Murshidabad	0.54	0.70	+ 0.16		Malda	0.45	0.46	+ 0.01
	Jessore	0.40	1.49	+ 1.09	Dacca	Dacca	0.67	1.50	+ 0.83
	Khulna	0.55	2.59	+ 2.04		Mymensingh	0.59	0.71	+ 0.12
Burdwan	Burdwan	1.55	0.43	- 1.12		Faridpur	0.74	2.07	+ 1.33
	Birbhum	0.51	0.40	- 0.11		Bakarganj	1.21	2.44	+ 1.23
	Bankura	0.55	0.55	+ 0.00	Chittagong	Chittagong	1.93	4.47	+ 2.54
	Midnapore	0.22	1.78	+ 1.56		Tippera	0.97	2.67	+ 1.70
	Hoojly	0.62	0.97	+ 0.35		Noakhali	1.60	2.36	+ 0.76
	Howrah	0.63	1.34	+ 0.71		Chittagong Hill Tracts	1.71	3.05	+ 1.34
Rajshahi	Rajshahi	0.46	0.92	+ 0.46	Cooch Behar	Cooch Behar	0.25	0	- 0.25
	Dinajpur	0.28	Nil	- 0.28					
	Jalpaiguri	0.53	0.43	- 0.10					
	Darjeeling	0.47	0.73	+ 0.26					

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 11th December 1919.

Summary.—The week was rainless. Reaping of winter paddy is in full swing. Sowing of spring crops is fast approaching completion. The condition and prospects of standing crops are so far reported to be promising. The average price of common rice for the province has fallen by about 5·63 per cent. as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall	PRICE OF COMMON RICE, IN SEKRS. PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS	Nil	{ 5 6½ }	{ 5 6½ }	Harvesting of sugarcane and winter paddy continues. Water is sufficient. Prospects of standing crops are good.
	Diamond Harbour	Nil	{ 5½ 6½ }	(n)	
	Barrackpore	Nil	{ 4½ 6 }	4½ 6	
	Barasat ...	(n)	(n)	5	
	Basirhat ...	Nil	{ 6½ 5½ }	4½ 5½	
2	NADIA ...	Nil	{ 5½ 6½ }	{ 5½ 6½ }	Prospects of standing crops are favourable. Harvesting of <i>aman</i> paddy continues.
	Kushtia ...	Nil	5	5	
	Meherpur ...	Nil	5½	5½	
	Chuadanga	Nil	{ 5½ 6 }	5½ 6	
	Ranaghat ...	Nil	5	5	
3	MURSHIDABAD	Nil	6†	6½†	Prospects of standing crops are fair. Sowing of <i>rabi</i> crops has been finished. Harvesting of winter paddy continues. Fodder is sufficient. No large import or export of rice. Cattle-disease is reported from Murshidabad thana in Lalbagh subdivision.
	Lalbagh ...	Nil	6†	5½†	
	Jangipur ...	Nil	5½†	5½†	
	Kandi ...	Nil	6†	5½†	
4	JESSORE ...	Nil	{ 6 6 }	{ 5½ 6 }	Standing crops are doing well. Harvesting of winter paddy continues. No large import or export of rice. Fodder is sufficient.
	Jhenidah ...	Nil	6	6	
	Magura ...	Nil	{ 6 6 }	5 5½	
	Narail ...	Nil	{ 5½ 6 }	6½ 6	
	Bangaon ...	Nil	5½	5½	
5	KHULNA ...	Nil	{ 6 6½ }	{ 5½ 6 }	Harvesting of <i>aman</i> paddy is in progress. Fodder and water are sufficient.
	Satkhira ...	Nil	5	5	
	Bagerhat ..	Nil	{ 5½ 6 }	5½ 5½	

* Burma rice.

† Coarse rice.

§ New

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE IN RUPEES PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
6	BURDWAN ...	Inches Nil	5	5	Weather seasonable. Sowing of potatoes and other <i>rabi</i> crops continues. Sugarcane and other standing crops are doing well. Harvesting of winter paddy continues. Cattle-disease is reported from thana Katwa.
	Asansol ...	Nil	6½	6½	
	Katwa ...	Nil	5½	5½	
	Kalna ...	(n)	(n)	4½	
7	BIRBHUM ...	Nil	6½	6	Aman paddy is being harvested. Prospects of standing crops are fair. Fodder and water are sufficient. Burma rice is not available.
	Rampurhat ...	Nil	6½	6½	
8	BANKURA ...	Nil	6½	6	Export of rice and paddy is going on. Reaping of <i>aman</i> paddy continues. Prospects of standing crops are good.
	Vishnupur ...	Nil	6½	7	
9	MIDNAPORE	Nil	{ 4½ 5½ 5½ 6½ }	{ 5½ 6½ 6½ }	Harvesting of winter paddy and sowing of <i>rabi</i> crops are progressing. Prospects of standing crops are fair. Outturn of winter paddy is fair.
	Ghatal ...	Nil	{ 4½ 5½ 5½ }	{ 4½ 5½ 5½ }	
	Tamluk ...	Nil	{ 4½ 5½ 6 }	{ 4½ 5½ 6 }	
	Contai ...	Nil	6½	5½	
10	HOOGLY ...	Nil	{ 4½ 5½ to 6½ }	{ 4½ 5½ to 6½ }	
	Serampore ...	Nil	{ 5½ 6 }	{ 5½ 6 }	Effects of weather on the growth of the crops are favourable. Fodder is sufficient.
	Arambagh ...	Nil	6½	6½	
11	HOWRAH ...	Nil	{ 4½ 6½ }	{ 4½ 6½ }	Harvesting of <i>aman</i> paddy continues. Condition of sugarcane and <i>rabi</i> crops is fair. Planting of sugarcane for next year has commenced. Sowing of <i>rabi</i> crops continues. Fodder is sufficient.
	Ulubaria ...	Nil	{ 4½ 6½ }	{ 4½ 6½ }	
12	RAJSHAHI (RAMPUR-BOALIA).	Nil	6	6	Prospects of standing crops are fair. Harvesting of winter paddy continues. Fodder is sufficient.
	Naogaon ...	Nil	6½	6½	
	Nator ...	Nil	{ 6½ 7½ }	{ 5½ 5½ }	
13	DINAJPUR ...	Nil	{ 5½ 4½ }	4½	Fodder and water are sufficient.
	Thakurgaon	Nil	{ 4½ 5½ }	4½	
	Balurghat ...	Nil	{ 6 8½ }	6	
14	JALPAIGURI...	Nil	5	{ 4½ 6 }	Prospects of standing crops are fair. Fodder and water are sufficient.
	Alipur ...	Nil	{ 4½ 6 }	{ 4 6 }	

• Burma rice.

† Coarse rice.

: Aus rice.

§ New.

(n) Not reported

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN BERRS, PER RUPY.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
15	DARJEELING	Nil	{ 4½ 5½	{ 4½ 5½	Winter paddy and <i>marua</i> are being harvested. Winter potatoes wheat and barley are being sown. Stock of rice is sufficient. Fodder and water are sufficient. Cattle disease is reported from some places.
	Kurseong ...	Nil	{ 5 5½	{ 5 5½	
	Siliguri ...	Nil	{ 5½ 6	{ 5 6	
	Kalimpong...	Nil	{ 5 5½	{ 5½ 5½	
16	RANGPUR ...	Nil	6 {	4½ 5	Sowing of <i>rabi</i> crops is almost finished. Harvesting of winter paddy is in full swing. Price of rice is falling owing to appearance in the market of new rice. Fodder and water are sufficient.
	Nilphamari	Nil	5½	5	
	Kurigram ...	Nil	5½	4	
	Gaibandha ...	Nil	5½ {	5 5½	
17	BOGRA ...	Nil	6½	6½	Prospects of standing crops are fair. Harvesting of winter paddy continues.
18	PABNA ...	Nil	{ 5 6 5½†	{ 5 6	Prices are rising at Sirajganj. Fodder is sufficient.
	Sirajganj ...	Nil	{ 4 5½	{ 4½ 5½	Harvesting of winter rice continues. Prospects of standing crops are good.
19	MALDA ...	Nil	{ 5½ 6†	5½	Fodder and water are sufficient.
20	COOCH BEHAR	Nil	5½	5½	Weather seasonable. Harvesting of <i>hai-mantic</i> paddy continues. Condition and prospects of standing crops are favourable. Fodder and water are sufficient. Burma rice is not available.
21	DACCA ...	Nil	{ 5 6	{ 4½ 5½	Condition and prospects of winter rice and <i>rabi</i> crops are good. Fodder is dear at Munshiganj.
	Manikganj ...	Nil	{ 5 5½	{ 4½ 5½	
	Narayanganj	Nil	{ 5½ 6	{ 4½ 6	
	Munshiganj (a)	Nil	{ 5½ 6	{ 5½† 6	
22	MYMENSINGH	Nil	{ 4 5½	{ 4 5½	Harvesting of winter paddy is in progress. Sowing of <i>rabi</i> crops is finished. Prospects are good. Fodder and water are sufficient.
	Jamalpur ...	Nil	{ 3½ 6½	{ 3½ 6½	
	Tangail ...	Nil	{ 3½ 5½	{ 3½ 5½	
	Netrakona ...	Nil	4½	4½	
	Kishorganj...	Nil	{ 6 6½	{ 5 6½	

• Burma rice.

† New.

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
23	FARIDPUR ...	Nil	{ 5 6½ }	{ 5 6½ }	Harvesting of <i>aman</i> paddy continues. Prospects are fair. Fodder is sufficient. Cattle disease is reported from the Sadar subdivision.
	Goalundo ...	Nil	{ 6 6 }	{ 6 6 }	
	Madaripur ...	Nil	{ 5½ 5½ }	{ 5 5½ }	
	Gopalganj(a)	Nil	{ 5½ 6 }	{ 5½ 6 }	
24	BAKARGANJ (BARISAL).	Nil	{ 4 6½ 8 }	{ 3½ 6 6 }	Fodder is sufficient. Prospects of standing crops are good.
	Pirojpur ...	Nil	{ 4 5½ 6 }	{ 4 6 5½ }	
	Patuakhali...	Nil	{ 4 6½ 6½ }	{ 4 6½ 6½ }	
	Dakshin Shabazpur (Bhola).	(n)	(n)	{ 3½ 4½ }	
25	CHITTAGONG	Nil	{ 6½ 6½ 6½ }	{ 6½ 6½ 6½ }	Cultivation of <i>rabi</i> crops is in progress. Prospects of standing crops are fair. Harvesting of <i>aman</i> paddy is in progress. <i>Panga</i> salt is selling at 9 and 10 seers per rupee, both at Sadar and Cox's Bazar, respectively. Fodder is sufficient.
	Cox's Bazar	Nil	{ 6½ 6½ }	{ 6½ 6½ }	
26	TIPPERA (COMILLA).	Nil	6½	6½	Harvesting of <i>aman</i> paddy is going on. Prospects are good. Sowing of <i>rabi</i> crops is going on. Prospects are fair. Price of rice is falling.
	Brahmanbaria.	Nil	{ 7½ 6½ }	{ 6½ 7½ }	
	Chandpur ...	Nil	{ 6½ 6½ }	{ 6½ 6½ }	
27	NOAKHALI ...	Nil	7½	5	Prospects of standing crops are fair. Fodder is sufficient. Cattle-disease is reported from thana Chhagalnaya.
	Feni ...	Nil	8	7½	
28	CHITTAGONG HILL TRACTS.	Nil	{ 5 6 }	{ 5 6 }	Prospects of <i>aman</i> paddy are fair. Harvesting of cotton crop and cultivation for <i>rabi</i> crops continue. Fodder is sufficient.

(a) The rainfall at Faridpur, which is very near to Gopalganj, is shown here.

* Bhatia rice.

† Local rice.

‡ Aar rice.

§ New.

(n) Not reported.

J. C. ROY,

for Director of Agriculture, Bengal.

Dacca, the 12th December 1919.

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 18th December 1919.

Summary.—There was no rainfall during the week. Harvesting of winter paddy is in brisk progress. Sowing of spring crops is almost completed. Condition and prospects of standing crops are reported to be favourable. The average price of common rice for the Province has fallen by about 4·64 per cent. as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEER, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS	Nil	{ 5 6½ }	{ 5 6½ }	Harvesting of sugarcane and <i>aman</i> paddy continues. Water is sufficient. Prospects of standing crops are good.
	Diamond Harbour.	(n)	(n)	{ 5½ 6½ }	
	Barrackpore	Nil	{ 4½ 6 }	{ 4½ 6 }	
	Barasat ...	Nil	5½	(n)	
	Basirhat ...	Nil	{ 6½ 5½ }	{ 6½ 5½ }	
2	NADIA ...	Nil	{ 5½ 6½ }	{ 5½ 6½ }	Prospects of standing crops are favourable. Harvesting of <i>aman</i> paddy continues.
	Kushtia ...	Nil	5	5	
	Meherpur ...	Nil	5½	5½	
	Chuadanga ...	Nil	{ 5½ 6 }	{ 5½ 6 }	
	Ranaghat ...	Nil	5	5	
3	MURSHIDABAD	Nil	6½†	6†	Prospects of standing crops are fair. Harvesting of winter rice continues. Fodder is sufficient. No large import or export of rice. Burma rice is not available.
	Lalbagh ...	Nil	6½†	6†	
	Jangipur ...	Nil	6½†	5½†	
	Kandi ...	Nil	6½†	6†	
4	JESSORE ...	Nil	6	{ 6 6 }	Standing crops are doing well. Harvesting of <i>aman</i> paddy continues. No large import or export of rice. Fodder is sufficient.
	Jhenidah ...	(n)	(n)	6	
	Magura ...	Nil	{ 6 6 }	{ 6 6 }	
	Narail ...	Nil	{ 5½ 6 }	{ 5½ 6 }	
	Bangaon ...	Nil	5½	5½	
5	KHULNA ...	Nil	6½	{ 6 6½ }	Weather seasonable. Harvesting of <i>aman</i> paddy has commenced. Fodder and water are sufficient.
	Satkhira ...	Nil	{ 5½ 7 }	{ 5 5 }	
	Bagerhat ...	Nil	{ 6 6½ }	{ 5½ 6 }	

* Burma rice.

† Coarse rice.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE IN RUPEES PER MUPPE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
6	BURDWAN ...	Nil	5	5	Weather cold. Harvesting of <i>aman</i> paddy continues. Sugarcane and other standing crops are doing well.
	Asansol ...	Nil	6½	6½	
	Katwa ...	Nil	5½	5½	
	Kalna ...	Nil	5	(n)	
7	BIRBHUM ...	Nil	6½	6½	Harvesting of winter rice continues. Prospects of standing crops are fair. Fodder and water are sufficient.
	Rampurhat...	Nil	6½	6½	
8	BANKURA ...	Nil	6	6½	Reaping of <i>aman</i> paddy continues. Prospects of standing crops are good. Export of rice and paddy continues.
	Vishnupur...	Nil	6½	6½	
9	MIDNAPORE	Nil	{ 5½ [§] 6½ [†] 6 [•] }	{ 5½ [§] 6½ [†] 6 [•] }	Prospects of sugarcane are fair. Harvesting of winter rice is progressing. Fodder is sufficient.
	Ghatul ...	(n)	(n)	{ 4½ [‡] 5 [†] 5½ [‡] }	
	Tamluk ...	Nil	{ 5½ [‡] 6½ [†] 6 [•] }	{ 5½ [‡] 6½ [†] 6 [•] }	
	Contai ...	Nil	{ 6½ [†] 7 [†] }	6½	
10	HOOGHLY ...	Nil	{ 4½ [‡] 5½ [‡] }	{ 4½ [‡] 5½ [‡] to 6½ [‡] }	
	Serampore ...	Nil	{ 5½ [‡] 6 [•] }	{ 5½ [‡] 6 [•] }	Effects of weather on the growth of the crops are favourable. Fodder is sufficient. Price of rice is steady.
	Arambagh ...	Nil	6½	6½	
11	HOWRAH ...	Nil	{ 4½ [‡] 6½ [†] 4½ [‡] }	{ 4½ [‡] 6½ [†] 4½ [‡] }	Weather seasonable. Harvesting of <i>aman</i> paddy and planting of sugarcane continues. Prospects of sugarcane are fair. Fodder is sufficient.
	Ulubaria ...	Nil	{ 6½ [†] 6½ [†] }	{ 6½ [†] 6½ [†] }	
12	RAJSHAHI (RAMPUR-BOALIA).	Nil	6½	6	Prospects of standing crops are favourable. Harvesting of winter rice continues. Fodder is sufficient.
	Naogaon ...	Nil	6½	6½	
	Nator ...	Nil	{ 6 [•] 7 [•] }	{ 6½ [†] 7½ [†] }	
13	DINAJPUR ...	Nil	5½	5	Prospects of standing crops are good.
	Thakurgaon	Nil	5½	5	
	Balurghat ...	Nil	7½	8	
14	JALPAIGURI...	Nil	5	5	Prospects of standing crops are fair. Fodder and water are sufficient.
	Alipur ...	Nil	{ 5 [•] 6 [•] }	{ 4½ [‡] 6 [•] }	

• Burma rice.

† Coarse rice.

‡ Aus rice.

§ New.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEER, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
15	DARJEELING	Nil	{ 4½ 5½	{ 5½ 5½	Winter paddy and <i>marua</i> are being harvested. Potatoes, wheat and barley are doing well. Stock of rice is sufficient. Fodder and water are sufficient. Cattle disease is reported from some places.
	Kurseong ...	Nil	{ 5 5½	{ 5 5½	
	Siliguri ...	Nil	5½	{ 5½ 6	
	Kalimpong...	Nil	{ 5 5½	{ 5 5½	
16	RANGPUR ...	Nil	5½	6	Weather seasonable. Harvesting of winter paddy is going on and that of potatoes has commenced in some places. Prospects of <i>rabi</i> crops are good. Fodder and water are sufficient. Price of rice is falling.
	Nilphamari	(n)	(n)	5½	
	Kurigram ...	Nil	5½	5½	
	Gaibandha ...	Nil	5½	5½	
17	BOGRA ...	Nil	6½	{ 6½	Harvesting of winter rice continues. Prospects are fair.
18	PABNA ...	Nil	{ 5½ 5½† 6	{ 5 5½† 6	
	Sirajganj ...	Nil	{ 4 5½	{ 4 5½	Fodder is sufficient.
19	MALDA ...	Nil	6½	{ 5½ 6†	
20	COOCH BEHAR	Nil	6½	5½	Harvesting of winter rice continues. Prospects of standing crops are good. Fodder and water are sufficient.
21	DACCA ...	Nil	{ 6 6	{ 6 6	Weather seasonable. Harvesting of <i>hai-manti</i> paddy continues. Standing crops are doing well. Fodder and water are sufficient. Burma rice is not available.
	Manikganj ...	Nil	{ 5 5½	{ 5 5½	
	Narayanganj	Nil	{ 6 6	{ 5½ 6	
	Munshiganj (a)	Nil	{ 6½ 6½	{ 5½ 6	
22	MYMENSINGH	Nil	{ 5½ 5½	{ 4 5½	Weather seasonable. Harvesting of winter rice is going on. Transplantation of <i>boro</i> paddy has commenced. Prospects of crops are good. Fodder and water are sufficient. Cattle-disease is reported from Netrokona subdivision.
	Jamalpur ..	Nil	{ 5 6½	{ 3½ 6½	
	Tangail ...	Nil	{ 5½ 5	{ 3½ 5½	
	Netrakona ...	Nil	4½	4½	
	Kishorganj...	Nil	{ 6½ 6½	{ 6 6½	

(n) Not reported.

* Burma rice.

† New.

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

1	2	3	4	5	6	7	8	9	10	11	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Highest rainfall during the month.	Total rainfall from 1st October to 31st November 1919.	No. of rainy days from 1st October to 31st November 1919.	Station.	District.	Division.
...	3	1.4	4.37	1.31	3.88	5.84	9.63	Saugor Island ...	24-Parganas	...
...	2	1.3	3.04	0.90	1.88	5.83	3.61	Diamond Harbour.
...	1	1.1	1.29	0.64	1.16	1.86	4.41	Budge-Budge.
...	1	1.3	3.62	1.16	1.62	1.67	5.77	Canning Town.
...	1	1.1	1.95	0.62	1.71	2.41	4.48	Alipore.
...	1	1.3	1.34	0.74	1.26	2.87	4.41	Baranpore.
...	1	1.0	2.08	0.60	1.73	5.24	4.81	Dum-Dum.
...	1	1.0	2.25	0.59	2.00	3.48	4.61	Barrow.
...	2	1.0	3.47	0.59	2.30	4.07	5.00	Basirhat.
...	3	0.7	1.50	0.70	1.20	1.80	4.03	Hanughat.	...	Nadia
...	2	0.7	1.31	0.74	0.90	3.73	4.74	Krishnagar.
...	3	0.7	1.22	0.78	0.80	2.06	5.04	Ghoshadanga.
...	3	0.6	0.91	0.56	0.56	4.08	4.70	Mehexpore.
...	1	0.9	0.25	0.74	0.35	0.73	4.88	Kushtha.
...	2	0.3	1.00	0.40	0.56	1.00	2.91	Haringhata.
...	1	0.0	0.58	0.64	0.50	3.30	4.38	Kandi.	...	Murshidabad.
...	1	0.6	0.64	0.64	0.68	4.62	4.13	Bechampore.
...	1	0.7	0.68	0.67	0.84	1.31	4.82	Isbagan.
...	1	0.6	0.48	0.44	0.48	1.24	4.57	Azamganj.
...	1	0.6	0.68	0.47	0.84	2.07	3.95	Janipur.
...	2	0.8	0.21	0.43	0.16	1.60	4.30	Lalgola.
...	1	0.6	0.56	0.51	0.56	7.20	3.38	Akriganj.
...	2	0.8	1.04	0.64	0.77	2.74	3.16	Patkabari.
...	1	0.7	1.35	0.69	1.65	4.73	3.46	Dumkal.
...	1	0.9	0.45	0.50	0.48	2.16	4.00	Kalyanganj.
...	3	1.0	3.04	0.81	1.48	2.42	5.11	Narail.	...	Jessore
...	2	1.1	2.12	0.91	1.34	4.12	5.65	Jessore.
...	2	1.0	1.06	0.79	0.83	4.80	5.04	Jhenab.
...																

(*) Not ascertained.

DAILY RAINFALL RECORDED IN

Division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PRESIDENCY.	24-Parganas	Saugor Island...	...	...	...	...	...	...	...	...	...	0.04	...	...	...	0.22	3.65	0.10	...	...	...	...
		Diamond Harbour.	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	1.85	...	...	...	...	...
		Budge-Budge	...	...	...	...	...	...	...	...	...	...	...	...	...	0.09	1.16	0.04	...	...	...	...
		Canning Town	...	...	...	...	...	...	...	...	...	...	...	...	...	0.07	1.74	0.13	0.01	...	...	...
		Allpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	1.16	0.11	0.01	...	...	...
		Barrackpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0.24	1.75	0.07	...	...	...	...
		Dum-Dum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.00	0.25	...	...	...	...
		Barasat	...	...	...	...	...	...	...	...	...	...	...	...	...	0.12	3.30	0.05	...	...	...	...
		Basirhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nadia	Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.30	0.15	0.13	...	...	...
PRESIDENCY.		Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.00	0.41	...	...	...	...
		Obudanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.20	0.09	0.12	...	...	...
		Meherpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.25	0.06	0.10	...	...	...
		Kuchitla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.25	...	...	...	...
		Haridhata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		0.45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		0.55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Morshidabad.	Kandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	0.50	...	...	...	...
		Berhampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.68	...	...	...	...
		Lalbagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.64	0.04	...	...	...
PRESIDENCY.		Asimganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.48	...	...	...	...
		Jangipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.64	0.02	...	...	...
		Lalgola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.16	...	...	...	...
		Akriganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.88	...	...	...	...
		Pachobari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.77	...	...	...	...
		Dumkal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.58	...	...	...	...
		Kaliyanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.46	...	...	...	...
	Jessore	Narail	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.48	0.56	...	...	...	...
		Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	1.24	0.20	...	...	...
		Jhenida	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.23	0.08	...	...	...	...
PRESIDENCY.		Magura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.80	0.29	...	...	...	...
		Bongaon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	1.37	0.17	0.03	...	...
	Khulna	Satkhira	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	3.24	0.30	...	...	...
		Dagorhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.80	2.10	...	...	...
		Khulna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	1.84	1.08	...	...	...
		Kaliganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.50	0.12	0.21	...	...
		Nakipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.45	...	...	...	...
		Dumuria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.80	1.08	...	...	...
		Ilampal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.38	0.08	...	...	...
		Kakra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.80	0.04	...	...	...
PRESIDENCY.		Palkhachha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.60	1.10	...	...	...
		Mollahat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.75	2.90	0.40	...	...
		Morliganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02	1.80	2.82	0.04	...	...
		Tala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.06	0.06	0.06	...	...
		0.01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		0.01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burdwan	Kalna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	0.05	0.20	0.50	...	...
		Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	0.44	0.01	...	...
		Katwa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.37	0.38	0.49	...	...
		Azamul	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.26	...	...	...
PRESIDENCY.		Mankar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	0.26	...	...	...
		Mangalkot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.16	0.25	...	...	...
		Boyna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Montowar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.50	0.25	...	...	...
	Birbhum	Buri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hotampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.67	...	...	...
		Rampurhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.48	...	...	...
		Bolpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.36	0.20	...
		Murari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.65	...	...	...
PRESIDENCY.	Bankura	Bankura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02	0.26	0.19	...	...
		Vishnupur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	0.45	...	...	...
		Medinipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	0.23	...	...	...
		Khatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.21	0.26	...	...	...
		Indra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10	0.28	0.02	...	...
		Kotalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Onda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gangajalghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.41	...	...	...
		Raipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35	0.16	...	...	...
		Sonmukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	0.24	...	...	...
PRESIDENCY.		Taidanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.32	0.11	...	...	...
		Saraoga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Indpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arhra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02	0.10	0.42	...	...
		Barjora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Simlapal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.42	0.19	...	...
		Siromonpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	0.08	...	...	...
		Palasdaoga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Obatia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.12	0.20	0.01	...	...
		Ranibadha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

DAILY RAINFALL RECORDED IN

Division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
PRESIDENT.	24-Parganas	Saugor Island...	...	...	...	...	...	...	...	...	...	0.04	...	...	...	0.22	3.98	0.19	...	...	...	...
		Diamond Harbour.	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	1.94	...	...	...	...	...
		Bridge-Budue...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.09	1.16	0.04	...	...	...	...
		Canning Town...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3.62	...	...	...	...	...
		Alipore	...	...	...	...	...	...	...	...	...	...	...	...	...	0.07	1.74	0.13	0.01	...	...	...
		Barrackpore	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	1.16	0.11	0.01	...	...	...
		Dum-Dum	...	...	...	...	...	...	...	...	...	...	...	...	...	0.24	1.75	0.07	...	...	...	...
		Jagraat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.00	0.28	...	...	...	...
		Basirhat	...	...	...	...	...	...	...	...	...	...	...	...	...	0.19	3.30	0.06	...	...	...	...
	Nadia	Ranaghat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.20	0.15	0.15	...	...	...
		Krishnagar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.00	0.41	...	...	...	...
		Chusdanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.30	0.00	0.02	...	...	...
		Meherpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.26	0.08	0.10	...	...	...
		Kuchla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35	...	...	...	...
	Murshidabad.	Haridghata	...	...	0.45	0.55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	0.50	...	...	...	...
		Berhampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	...	...	...	...
		Lalbagh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	0.04	...	...	...
		Asimganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.48	...	...	...	...	...
		Jangipor	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.64	0.02	...	...	...
		Lalpoia	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	0.16	...	...	...	...	...
		Akrikanj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.88	...	...	...	...
	Jessore	Patkabari	...	...	...	...	...	...	...	...	...	...	...	...	...	0.27	...	0.77	...	...	...	...
		Dumkal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.55	...	...	...	...
		Kallyanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.43	...	...	...	...
		Narail	...	...	...	...	...	...	...	...	...	...	...	...	...	1.48	0.58	...	...	...	...	...
BURDWAN.	Jessore	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	1.34	0.08	0.70	...	...	...	...
		Jhondia	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	0.23	0.03	...	...	...	...
		Majura	...	...	...	...	...	...	...	...	...	...	...	...	...	0.20	0.22	...	...	...	...	...
		Bongson	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	1.37	0.17	0.03	...	...	...
	Khulna	Satkhira	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	3.74	0.30	...	...	...	...
		Bachhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.90	2.10	...	...	...	...
		Khulna	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	1.84	1.04	...	...	...	...
		Kaliganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.90	0.12	0.21	...	...	...
		Nakipur	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	3.45	...	...	...	...	...
		Dumuria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.50	1.09	...	...	...	...
		Ranyal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.58	0.09	...	...	...	...
		Kalarow	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.80	0.04	...	...	...	...
		Palkazakha	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.60	1.10	...	...	...	...
		Mollahat	...	...	...	...	...	...	...	...	...	...	...	...	...	0.43	1.73	2.90	0.40	...	...	...
		Moraganj	...	...	...	...	...	...	...	...	...	0.01	0.01	...	...	0.02	1.80	2.82	0.04	...	...	...
		Tala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.06	0.08	0.08	...	...	...
	Bardwan	Kalon	...	...	...	...	...	...	...	...	...	...	...	...	0.05	0.05	0.30	0.60	...	...	...	...
		Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	0.44	0.01	...	...	...
		Katwa	...	...	...	...	...	...	...	...	...	...	...	...	...	0.27	0.28	0.42	...	...	...	...
		Amanol	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	...	...	...	...
		Mankar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	0.35	...	...	...	...
		Mangalkot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.15	0.25	...	...	...	...
	Birbhum	Boyna	...	...	...	...	...	...	...	...	...	...	...	...	...	0.20	0.21	...	...	...	...	...
		Monteswar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Suri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hemampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.87	...	...	...	...
	Baukura	Rampurhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.45	...	...	...	...
		Bolpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35	0.20	...	...
		Muralai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ladpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.65	...	...	...	...
	Baukura	Baukura	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02	0.26	0.13	...	...	...	...
		Vishnupur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	0.45	...	...	...	...
		Mallara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	0.32	...	...	...	...
		Khatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.21	0.26	...	...	...	...
		Indas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10	0.28	0.02	...	...	...
		Kotalpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Uda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gangasahat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.41	...	...	...	...
		Raipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.25	0.16	...	...	...	...
		Sonamukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.25	0.24	...	...	...	...
		Taldangra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	0.11	...	...	...	...
		Saranga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Indpur	...	...	...	...	...	...	...	...	...	...	...	...	...	0.02	0.10	0.42	...	...	...	...
		Arhra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barjora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Binlapal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.43	0.19	...	...	...	...
		Mejla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.05	0.28	...	...	...	...
		Sonmowpur	...	...	...	...	...	...	...	...	...	...	...	...	...	0.14	0.08	...	...	...	...	...
		Palachanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Okatia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	0.29	0.01	...	...	...
		Kaulbach	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Saltora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Joypur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ambikanaga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

DAILY RAINFALL RECORDED IN

DIVISION.	DISTRICT.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAJ. SHAMI.	Malda	Malda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.37	...	...	...	...
		(Bhandal)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.30	...	...	...	...
		(Bazal)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.58	...	...	...
		(Bhiganj)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.34	...	...	...
Dacca.	Dacca	Gomastapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.68	...	...	...	...
		Nawalganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Munahiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.73	0.88	0.66	...	...
		Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.73	0.63	0.13	...	...
		Nawalganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.73	0.63	0.13	...	...
		Narayanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10	0.87	0.88	...	...
	Mymensingh	Narayanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.18	0.86	0.17	...	...
		Manikganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.76	0.67	0.01	...	...
		Joydebpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.88	0.53	...	...	...
		Kapasia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kishorganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.16	0.04	...	...	...
		Atia (Tungail)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.80	...	...	...
CHITTAGONG.	Dacca	Naibabari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.77	0.04	...	...
		Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.81	0.07	...	...
		Jamulpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.78	0.13	...	...
		Netrakona	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	0.78	...	...
		Pingla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	0.63	...	...	...
		Dingapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.76	...	...	...
	Faridpur	Sherpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(Town).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dowanganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	0.04	...	...
		Nalitabari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.20	0.16	...	...
		Medanipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.03	0.06	...	...
		Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.91	0.46	0.03	...
CHITTAGONG.	Dacca	Naibabari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.67	0.44	...	...
		(Tungail)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Haridaspur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	1.76	1.10	0.07
		Takhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	2.17	0.73	0.07
		Bhanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.78	1.95	0.30	...
		Vaanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.63	0.33	...
	Dakerganj	Baitakandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.10	0.84	0.01	...
		Bhuana	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.04	0.98	0.98	0.08
		Palong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.46	2.08	0.30	...
		Patnakhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.20	2.16	0.46	...
		Barguna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.13	2.67	0.60	...
		Phirpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.77	1.79	0.11
CHITTAGONG.	Chittagong	Barisal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.63	1.14	0.86	...
		(Gaurad)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	1.30	0.60	0.20
		Bhola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.80	1.14	0.77	...
		Daukhani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.65	1.23	0.80	...
		Dauphal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.03	1.83	0.70	...
		Coat's Bazar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.79	4.44	0.94	...
	Tippera	Chittagong	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.06	2.65	3.76	...
		Kutubdia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.23	3.62	1.47	0.10
		Rathada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.75	3.05	0.63	0.05
		Kodala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.23	1.36	...	...
		Mittrali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.60	0.30	...	...
		Comilla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.70	0.28	0.50	...
CHITTAGONG.	Noakhali	Chandpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.74	0.47	1.20	...
		Brachmanbaria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.49	0.90	0.20	...
		Ranchandrapur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.02	0.70	1.60	...
		Nadipur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.93	1.23	1.74	...
		Dandkandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.90	0.30	0.70	...
		Kuala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.06	0.60	2.37	...
	Chittagong Hill Tracts.	Laksmi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.73	0.46	1.25	...
		Noakhali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	0.90	1.40	0.21
		Paal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.45	1.45	0.42	...
		Haridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.18	1.51	0.32	...
		Ranganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.91	1.30	0.63	...
		Ohmudainya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.16	1.30	0.40	...
CHITTAGONG.	Hill Tippera.	Hailya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lakshimpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rangamat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	1.98	2.85	...
		Banda-ban	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.11	2.08	1.28	0.04
		Barkel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.99	0.78	...
		Mahaleheri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.39	1.07	...	...
	Opoch Behar.	Loma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	3.00	2.02	...
		Rangarh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	0.83	0.61	...
		Agartala	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	0.84	2.34	...
		Dinbata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Opoch Behar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.01	...	...	...
		Mickiganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

DACCA,
The 17th December 1919.

1	2	3	4	5	6	7	8	9	10	11	No. of rainy days.	Average number of rainy days.	Total rainfall for the month.	Normal rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st October to 30th November 1919.	Normal rainfall from 1st October to 30th November 1919.	Station.	District.	Division.
...	1	0.6	0.37	0.81	0.87	2.44	4.31	Malda.	Malda	...
...	1	0.4	0.11	0.35	0.11	1.89	2.83	Obanchal.	Malda	...
...	1	0.6	0.35	0.86	0.80	2.06	2.35	Gazol.	Malda	...
...	1	0.6	0.65	0.65	0.68	3.80	3.73	Shiganj.	Malda	...
...	1	0.6	0.34	0.59	0.34	4.83	4.72	Gomastapur.	Malda	...
...	1	0.7	1.48	0.88	1.93	6.03	4.39	Nawabganj.	Malda	...
...	2	1.3	1.66	1.09	0.88	3.10	4.87	Mouabiganj.	Dacca	...
...	2	1.2	1.47	0.88	0.73	2.46	3.39	Bawa.	Dacca	...
...	2	0.7	1.77	0.93	0.93	4.33	4.71	Nawabganj.	Dacca	...
...	2	1.3	1.82	1.13	0.67	5.01	5.11	Narayanganj.	Dacca	...
...	2	0.9	1.20	1.11	0.85	6.29	4.87	Narayanganj.	Dacca	...
...	2	1.0	1.84	0.96	0.66	6.03	4.97	Manikganj.	Dacca	...
...	2	1.1	1.10	1.07	0.88	5.18	4.51	Joydebpur.	Dacca	...
...	2	0.9	0.78	0.77	0.77	6.26	6.26	Kapasia.	Dacca	...
...	1	1.0	2.19	0.77	2.15	22.31	6.14	Kishorgram.	Mymensingh	...
...	1	0.8	0.11	0.35	0.11	0.84	4.81	Atla (Tungab.)	Mymensingh	...
...	1	0.8	0.80	0.33	0.60	4.46	3.91	Barlabari.	Mymensingh	...
...	1	0.9	0.36	0.69	0.77	10.06	6.00	Mymensingh.	Mymensingh	...
...	1	0.6	0.28	0.45	0.81	5.23	5.31	Jamulpur.	Mymensingh	...
...	1	0.8	0.36	0.65	0.78	11.07	7.69	Netrokona.	Mymensingh	...
...	1	0	0.38	0	0.32	8.29	3.21	Plugna.	Mymensingh	...
...	1	0.6	0.78	0.47	0.76	8.51	6.50	Durgapur.	Mymensingh	...
...	1	0.6	0.78	0.77	0.77	8.51	6.60	Sherpur (Tawa).	Mymensingh	...
...	1	0.5	0.39	0.68	0.38	5.43	5.59	Dawaganj.	Dacca	...
...	1	0.7	0.33	0.43	0.70	8.43	5.61	Nalitabari.	Dacca	...
...	2	1.0	2.00	0.83	1.05	5.40	5.23	Madaripur.	Partapur	...
...	2	1.3	1.40	0.99	0.91	3.68	5.49	Partapur.	Partapur	...
...	2	1.0	1.01	0.94	0.87	4.18	5.03			

(*) Not ascertained.

J. C. Roy,
for *Director of Agriculture, Bengal.*

Vital Statistics of the Towns with a population of 10,000 and over

Districts.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1911.			BIRTHS REGISTERED.		DEATHS		
			Males.	Females.	Total.	Number registered (exclud- ing still- births).	Still-born number registered.	Cholera.	Small- pox.	Plague.
Burdwan ...	1	Burdwan ...	20,527	15,394	35,921	27	...	2	...	...
	2	Raniganj ...	8,417	7,080	15,497	26	...	...	...	...
	3	Asansol ...	12,486	9,433	21,919	24	...	...	...	...
Bankura ...	4	Bankura ...	12,156	11,297	23,453	36	...	...	...	...
	5	Vishnupur ...	10,025	10,453	20,478	31	...	10	...	...
	6	Sonamukhi ...	6,254	7,021	13,275	12	...	1	...	...
Midnapore ...	7	Midnapore ...	17,577	15,163	32,740	50	2	...	...	...
	8	Ghatal ...	6,216	5,848	12,064	9	...	1	...	...
	9	Hooghly and Chin- sura.	15,817	13,099	28,916	70	...	...	...	...
Hooghly ...	10	Serampore ...	19,639	12,430	32,078	54	...	...	...	...
	11	Rishra Kenugore...	10,724	6,792	17,516	40	...	1	...	...
	12	Baidyabati ...	Figures not available			23	...	1	...	...
	13	Bhadreswar ...				10	...	...	...	...
Howrah ...	14	Champdani ...				17	...	1	...	...
	15	Howrah ...	114,829	64,560	179,389	359	50	6	11	...
	16	Bally ...	14,217	8,177	22,394	36	1	...	1	...
	17	Cossipore-Chitpur ...	30,793	17,365	48,178	73	5	5	...	...
24-Parganas	18	Maniktala ...	31,735	22,032	53,767	83	5	1	1	...
	19	South Suburban ...	17,683	13,850	31,533	47	1	...	...	...
	20	Tollygunge ...	11,183	7,250	18,433	35	6	...	...	...
	21	Garden Reach ...	27,665	17,630	45,295	64	2	1	2	...
	22	Budge-Budge ...	11,529	6,453	17,982	24	...	2	...	...
	23	Baranagar ...	14,982	10,918	25,895	61	1	...	...	...
	24	Kamarhati ...	11,243	6,772	18,015	13	1	...	...	...
	25	Rajpur ...	5,762	5,846	11,607	23	2	...	...	...
	26	South Dum-Dum ...	7,760	5,114	12,874	13	...	1	...	...
	27	Barrackpore ...	11,957	6,944	18,901	7	...	...	...	...
	28	Pandhati ...	6,339	4,779	11,118	15	...	2	...	...
	29	North Barrackpore...	9,780	6,340	16,120	16	1	1	...	...
	30	Tittagarh ...	31,225	13,946	45,171	51	...	...	2	...
	31	Gerulia ...	7,876	3,704	11,580	9	...	...	...	...
	32	Naihati ...	11,685	6,534	18,219	...	...	...	...	...
	33	Bhatpara ...	34,739	15,675	50,414	49	1	6	2	...
	34	Basirhat ...	9,517	8,814	18,331	19	...	...	...	...
	35	Baduria ...	7,058	6,622	13,680	24	...	...	...	...
Calcutta ...	36	Calcutta ...	607,674	288,393	896,067	1,453	122	34	32	...
Nadia ...	37	Krishnagar ...	11,767	11,708	23,475	15	2	...	...	...
	38	Nadia or Nahadwip	5,821	6,659	12,480	16	...	...	...	...
	39	Santipur ...	12,186	14,517	26,703	37	...	...	...	...

of Bengal for the month of September 1919.

REGISTERED.												No.	Towns.
Fever.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries including suicide.	Other causes.	Total all causes.			Total of corresponding month of previous year.					
					Male.	Female.	Total.	Male.	Female.	Total.			
37	23	10	3	8	54	29	83	54	21	75	1	Burdwan.	
10	...	2	...	7	9	10	19	23	20	43	2	Raniganj.	
21	7	4	1	1	26	8	34	25	22	47	3	Assesol.	
13	7	2	1	14	16	21	37	29	17	46	4	Bankura.	
25	5	1	1	11	27	26	53	18	16	34	5	Vischnupur.	
13	5	1	...	2	9	13	22	15	14	29	6	Sonamukhi.	
17	6	22	1	6	23	29	52	37	21	58	7	Midnapore.	
22	4	4	1	...	22	10	32	10	6	16	8	Ghatal.	
31	10	12	1	13	32	35	67	25	25	50	9	Houghly and Chinsura.	
17	10	11	2	12	32	29	61	43	33	76	10	Serampore.	
16	2	1	1	6	15	12	27	24	13	37	11	Rishra Konnagore	
21	3	1	...	7	18	15	33	25	28	53	12	Baidyabati.	
5	2	3	1	6	7	10	17	7	5	12	13	Bhadreswar.	
10	...	4	...	...	9	6	15	8	9	17	14	Chandani
187	77	102	11	143	278	259	537	256	190	446	15	Howrah.	
28	2	7	3	1	27	15	42	24	17	41	16	Bally.	
45	6	15	4	25	59	41	100	97	55	152	17	Consipore-Chitpur.	
36	18	27	...	58	71	70	141	52	63	115	18	Maniktala.	
38	5	12	2	15	30	42	72	19	30	49	19	South Suburban.	
17	3	6	...	...	12	14	26	11	9	20	20	Tollygunge.
20	9	5	...	22	38	21	59	50	20	70	21	Garden Reach.	
6	8	...	2	4	17	5	22	18	12	30	22	Budge-Budge.	
18	24	5	2	14	26	37	63	43	44	87	23	Baranagore.	
16	12	...	...	4	23	9	32	37	14	51	24	Kamarhati.
25	2	1	...	...	12	16	28	11	5	16	25	Rajpur.
10	...	6	1	6	17	7	24	14	5	19	26	South Dum-Dum.	
2	1	...	...	1	3	1	4	7	3	10	27	Barrackpore.
8	2	6	...	5	10	13	23	9	17	26	28	Pauhati.	
19	3	7	1	4	20	15	35	13	11	24	29	North Barrackpore.	
70	6	...	...	7	44	41	85	68	44	112	30	Titagar.
7	...	...	...	...	5	2	7	13	...	13	31	Garulia.
8	1	1	...	3	10	3	13	26	4	30	32	Naihati.	
26	5	12	1	12	39	24	63	37	12	49	33	Bhatpara.	
27	2	1	...	8	17	21	38	17	23	40	34	Basirhat.	
25	...	4	...	4	14	19	33	2	15	17	35	Buduria.	
302	236	392	44	942	1,160	822	1,982	1,280	853	2,133	36	Calcutta.	
13	7	3	...	3	12	14	26	17	7	24	37	Krishnagar.	
13	5	1	...	6	10	15	25	8	14	22	38	Nadia or Nabadwip.	
17	6	5	...	8	26	10	36	22	23	45	39	Santipur.	

Vital Statistics of the Towns with a population of 10,000 and over

Districts.	No.	Towns.	POPULATION UNDER REGISTRATION ACCORDING TO CENSUS OF 1911.			BIRTHS REGISTERED.		DEATHS		
			Male.	Female.	Total.	Number registered (exclud- ing still- births.)	Still-born number registered.	Cholera.	Small- pox.	Plague.
Murshidabad	40	Berhampore ...	14,302	11,841	26,143	40	...	...	...	...
	41	Murshidabad ...	6,259	6,410	12,669	8	...	...	...	...
	42	Ajimganj ...	6,725	5,602	12,327	12	...	3	1	...
	43	Kandi ...	6,212	6,426	12,638	4	...	...	...	...
	44	Jangipur ...	5,493	5,915	11,408	21	...	...	...	...
Khulna	45	Khulna ...	7,983	5,043	12,996	7	...	...	...	...
	46	Satkhira ...	5,802	5,100	10,902	...	...	1	...	...
Rajshahi	47	Rampur-Boalia ...	13,057	10,349	23,406	42	2	...	...	...
Dinajpur	48	Dinajpur ...	9,648	6,297	15,945	10	...	3	...	...
Jalpaiguri	49	Jalpaiguri ...	7,547	4,218	11,765	16	...	...	...	...
Darjeeling	50	Darjeeling ...	11,631	7,374	19,005	17	...	...	...	...
Rangpur	51	Rangpur ...	10,509	5,920	16,429	16	...	...	...	...
Pabna	52	Pabna ...	10,066	9,218	19,274	12	...	...	...	...
	53	Sirajganj ...	13,236	11,541	24,777	13	1	4	...	...
Malda	54	English Bazar ...	7,697	6,625	14,322	8	...	...	1	...
	55	Nawabganj ...	11,122	12,200	23,322	18	...	...	...	...
Dacca	56	Dacca ...	63,091	45,460	108,551	244	17	7	4	...
	57	Narayanganj ...	18,738	9,188	27,876	54	1	...	...	...
Mymensingh	58	Mymensingh ...	13,462	6,391	19,853	13	...	4	...	...
	59	Netrakona ...	8,018	5,722	13,740	16	...	...	...	...
	60	Jainalpur ...	11,728	9,381	21,109	24	...	3	...	...
	61	Sherpur ...	8,516	7,075	15,591	25	...	...	...	...
	62	Kishoreganj ...	9,508	8,518	18,026	24	...	1	...	...
	63	Bajitpur ...	5,447	5,386	10,833	11	...	...	...	...
Faridpur	64	Tangail ...	8,493	7,869	16,362	27	2	...	...	...
	65	Faridpur ...	8,017	5,114	13,131	27	...	...	...	...
Bakarganj	66	Madaripur ...	10,549	8,524	19,073	31	...	...	4	...
	67	Barisal ...	15,488	6,986	22,473	16	...	1	...	...
Chittagong	68	Pirojpur ...	6,523	5,473	11,996	16	...	1	...	...
	69	Chittagong ...	18,779	9,987	28,766	80	2	12	...	...
Tippera	70	Comilla ...	13,706	8,986	22,692	16	...	...	...	...
	71	Brahmanbaria ...	11,671	10,624	22,295	39	...	...	2	...
	72	Chandpur ...	9,062	3,655	12,717	11	...	8	...	...
Total of month...			...	...	2,618,159	3,889	227	123	63	...
Total of corresponding month of previous year.			...	...	...	4,288	208	104	13	...
Increase + or decrease —			...	...	...	-399	+19	+19	+50	...

REMARKS—

1. The above table is compiled from returns collected by the Municipalities and submitted to this office by the Civil Surgeons. Taken as a whole, the statistics are not perfect, and in a few instances are obviously incomplete.
2. The vital statistics of Municipalities with a population of less than 10,000 have been excluded from this statement and incorporated in the statement of the Districts.
3. The birth and death ratios per 1,000 per annum have been omitted from this statement according to the Government of India, Education Department.

CALCUTTA.

The 4th December 1919.

of Bengal for the month of September 1918—conold.

REGISTERED.

Fever.	Dysentery and diarrhoea.	Respiratory diseases.	Injuries including suicide.	Other causes.	Total all causes.			Total of corresponding month of previous year.			No.	Town.
					Male.	Female.	Total.	Male.	Female.	Total.		
5	3	2	1	15	16	10	26	32	20	52	40	Borhampore.
13	1	1	...	...	4	11	15	18	27	45	41	Murshidabad.
10	...	3	1	7	12	13	25	18	10	28	42	Ajtinganj.
16	...	...	1	5	9	13	22	20	26	46	43	Kandi.
11	...	...	...	...	8	5	11	9	15	24	44	Jangipur.
19	3	...	...	1	9	14	23	9	2	11	45	Khulna.
...	...	1	...	...	2	...	2	8	14	22	46	Satkhira.
18	1	...	1	5	13	12	25	14	20	34	47	Rampur-Boalia.
7	4	4	1	9	24	4	28	4	5	9	48	Dinajpur.
9	4	21	...	10	32	12	44	15	6	21	49	Jalpaiguri.
1	5	7	...	8	13	8	21	15	14	29	50	Darjeeling.
4	2	7	...	5	10	8	18	13	7	20	51	Rangpur.
6	1	1	...	4	6	6	12	10	8	18	52	Pabna.
8	1	...	1	7	13	8	21	13	2	15	53	Sirajganj.
5	4	2	...	1	8	5	13	14	10	24	54	English-Bazar.
12	3	...	1	4	13	7	20	20	26	46	55	Nawabganj.
142	14	35	12	112	180	146	326	127	104	231	56	Dacca.
36	3	8	2	19	29	39	68	34	24	58	57	Narayanganj.
17	4	1	...	2	16	12	28	17	9	26	58	Mymensingh.
9	1	...	...	1	2	9	11	2	2	4	59	Netrokona.
23	...	3	1	10	26	14	40	28	17	45	60	Jamalpur.
12	...	1	1	8	11	11	22	17	11	28	61	Sherpur.
7	4	4	3	5	12	12	24	12	19	31	62	Kishoreganj.
3	...	...	...	1	1	3	4	9	5	14	63	Bajitpur.
10	...	...	1	3	5	9	14	10	15	25	64	Tangail.
6	3	1	...	7	14	3	17	23	15	38	65	Faridpur.
9	...	...	1	13	16	11	27	13	13	26	66	Madaripur.
18	...	4	...	11	23	11	34	6	9	15	67	Barisal.
2	2	2	...	1	6	2	8	4	5	9	68	Pirojpur.
26	8	5	1	19	38	33	71	21	15	36	69	Chittagong.
14	...	...	...	8	15	7	22	4	4	8	70	Comilla.
28	4	4	1	13	27	25	52	15	13	28	71	Brahmanbaria.
9	1	2	...	7	15	12	27	16	8	22	72	Chandpur.
1,766	609	815	114	1,709	2,905	2,284	5,189					
1,874	528	975	140	1,688	3,084	2,238	5,322	3,084	2,238	5,322		
-118	+81	-160	-26	+21	-179	+46	-133					

whole the table possesses a relative value, although the figures for individual towns probably only approximate to the actual in a proportion reported in the returns for districts—vide Bengal Government, Municipal Department, letter No. 118San., dated the 8th February 1919. tion Department, letter No. 93, dated the 26th March 1918.]

CHARLES A. BENTLEY,
Sanitary Commissioner for Bengal.

**List of prices of articles of food in Calcutta for the week ending
Saturday, the 20th December 1919.**

Name of article.	WHOLESALE PRICE PER MAUND.		RETAIL PRICE PER SEER.	
	From—	To—	From—	To—
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Rice—				
Balam, coarse ...	8 4 0	9 4 0	0 2 6	0 3 9
" medium ...	9 12 0	...	0 4 3	0 5 0
Patnai, coarse ...	8 0 0	8 10 0	0 3 0	0 3 6
" medium ...	9 0 0	9 6 0	0 3 9	0 5 0
Nagra, coarse ...	8 0 0	8 14 0	0 3 0	0 3 6
" medium ...	9 2 0	9 8 0	0 3 9	0 5 0
Dudhkalma ...	9 0 0	9 12 0	0 3 6	.....
Rangoon Boiled ...	.....	.....	0 2 6	0 3 6
Kajla ...	6 6 0	.....	0 3 0	.....
Wheat, Dudhia ...	7 8 0	.....	.....	.....
" Gangajali ...	.....	.....	.....	.....
" Jamali ...	7 0 0	7 4 0	.....	.....
Gram, Patnai (whole) ...	7 12 0	8 0 0	0 2 9	0 3 6
" dal ...	8 8 0	9 4 0	0 3 9	0 4 0
Mung " (Hari) ...	11 0 0	12 0 0	0 6 0	0 8 0
" " (Krishna) ...	9 8 0	10 0 0	0 5 0	.....
Arhar " ...	8 4 0	10 3 0	0 3 6	0 5 0
Masur " (split) ...	7 6 0	8 4 0	0 3 3	0 4 6
" " (Khanri)...	9 12 0	10 12 0	0 4 6	0 5 0
Kalai " ...	7 8 0	8 0 0	0 3 3	0 5 0
Salt ...	3 3 6	3 5 6	0 1 6	0 1 9
Sugar (Brown Java) ...	22 12 0	.....	0 9 0	0 10 0
Gur, Bheli ...	.....	.....	0 4 6	.....
" Bhursut ...	13 0 0	.....	0 6 0	0 7 0
Milk ...	10 0 0	12 0 0	0 3 0	0 5 0
Mustard oil ...	36 0 0	42 0 0	1 0 0	1 2 0
Flour (country) ...	9 8 0	10 8 0	0 4 0	0 5 0
Atta, No. 3 ...	9 4 0	}	0 3 6	0 5 0
" " 2½ ...	10 0 0			
" " B ...	10 4 0			
Suji ...	10 0 0	10 8 0	0 4 6	0 5 0
Ghee (Bhadwa, Matki, etc.) ...	98 8 0	99 0 0	2 10 0	2 12 0
" (Patiram, Khurja, Ruto. Etwa, better kind, etc.)	90 0 0	91 0 0	2 8 0	.....
" (Lalli, Etwa, Sagar, etc.)...	86 0 0	87 0 0	2 6 0	.....
Maize ...	5 4 0	5 8 0	.....	.....
Potatoes ...	5 12 0	6 8 0	0 2 6	0 4 0
Patal ...	.....	.....	.....	.....
Brinjals ...	2 8 0	3 0 0	0 1 9	0 3 0
Onions ...	4 0 0	4 4 0	0 1 6	0 2 6
Fish, Rahu ...	16 0 0	20 0 0	0 11 0	0 12 0
Mutton (2nd class) ...	.....	.....	0 10 0	.....
Beef (2nd and 3rd classes) ...	.....	.....	0 3 0	0 5 0

N.B.—This is an abstract of prices of the following markets :—

Wholesale.—Chetla Hât, Ramkrishnapur Hât, Sealdah Fish and Milk Markets, Posta Bazar.
Retail.—Sir Stuart Hogg Market, Orphanaganj Market, Sobha Bazar, Nutan Bazar, Raja Babu's Bazar, Bow Bazar, Jogu Babu's Bazar, Taltolla Bazar.

S. C. GHOSH,

for President, Advisory Food Committee.

CALCUTTA, the 22nd December 1919.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 13th December 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
7th December ...	8 A.M.	Zero of gauge is at mean sea level.	40.95	39.61	B. M. on College step corrected, 64.93.
8th " ...	8 "		40.85	39.56	
9th " ...	8 "		40.70	39.51	
10th " ...	8 "		40.70	39.41	
11th " ...	8 "		40.60	39.41	
12th " ...	8 "		40.55	39.21	
13th " ...	8 "		40.40	39.11	

(a) P. W. D. datum 6.25 feet above Kidderpore old dock sill.

			Old value.	According to P. W. D. datum.
The previous year ...	Highest water-level ...	66.62 on 30th August 1918	...	61.71
Ditto ...	Lowest " ...	41.70 on 21st April 1918	...	36.89
Record ...	Highest " ...	69.25 on 26th August 1879	...	64.44
Do. ...	Ditto " ...	69.08 on 9th September 1885	...	64.27
Do. ...	Ditto " ...	68.30 on 25th August 1906	...	63.47
Do. ...	Ditto " ...	68.21 on 26th August 1890	...	63.40
Do. ...	Lowest " ...	37.65 on 25th April 1881	...	32.82
Do. ...	Ditto " ...	38.18 on 14th-15th April 1883	...	33.32
Do. ...	Ditto " ...	39.02 on 21st-22nd April 1897	...	34.21
Do. ...	Ditto " ...	39.28 on 6th-7th May 1908	...	34.47

N.B.—The gauge-readings commenced from 1st August 1887.

BOALIA.
The 13th December 1919.

M. SEN GUPTA,
Executive Engineer, Rajshahi Divn.

Statement of weekly gauge-readings on the rivers Ganges and Brahmaputra for the week ending 20th December 1919.

Month and date.	Hour.	Height of surface above or below zero of gauge.	Height of surface above mean sea-level.	Height of surface above mean sea-level on same date last year.	Remarks.
1919.					
14th December	7 A.M.	9.7	9.7	10.7	Zero is placed at mean sea-level. The bench mark for the gauge is on a pucca pillar between the passenger ghât and Chandpur ghât. Its reduced level is 22.41.
15th " ...	7 "	9.6	9.6	10.6	
16th " ...	7 "	9.6	9.6	10.6	
17th " ...	7 "	9.4	9.4	10.5	
18th " ...	7 "	9.2	9.2	10.5	
19th " ...	7 "	9.0	9.0	10.4	
20th " ...	7 "	8.9	8.9	10.3	

The previous year ...	Highest water-level ...	25.2 on 1st September 1918.
Ditto ...	Lowest " ...	5.3 on 9th March 1918.
Record (H.F. in Brahmaputra and Ganges) ...	Highest " ...	25.75 on 28th August 1910.
Record (average flood in Brahmaputra and Ganges) ...	Ditto " ...	25.74 on 20th and 21st August 1898.
Record (H.F. in Brahmaputra and Ganges) ...	Ditto " ...	25.66 on 11th to 17th and 31st August and on 1st to 3rd September 1889.
Record (H.F. in Brahmaputra only) ...	Ditto " ...	25.66 on 31st July 1900.
Do. ...	Lowest " ...	1.0 on 8th February 1914.
Do. ...	Ditto " ...	2.42 on 13th March 1908.
Do. ...	Ditto " ...	2.91 on 21st to 24th February and 8th to 9th March 1884.
Do. ...	Ditto " ...	3.16 on 9th to 11th March 1885.
Do. ...	Ditto " ...	3.16 on 16th, 17th and 29th to 31st March 1901.

FARIDPUR,
The 21st December 1919.

R. K. GHOSE,
for Subdivisional Officer, P. W. D., Faridpur.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Olroular and Eastern Canals for the week ending Saturday, the 13th December 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 13TH DECEMBER 1919.			WEEK ENDING SATURDAY, THE 14TH DECEMBER 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	1,088	53,117	877	897	103,942	1,746
Jute ...	180	73,411 ^o	939	101	56,008 [†]	578
Firewood ...	54	26,400	392	129	76,575	1,220
Other articles ...	672	144,211	1,739	676	147,192	2,116
Total ...	1,994	297,139	3,947	1,803	383,717	5,660
Empty boats and rafts ...	603	...	1,762	535	...	1,631
GRAND TOTAL	2,597	297,139	5,709	2,338	383,717	7,341

Mds.
^o Weight by canal measurement 80,367½
[†] Ditto ditto 80,412

CALCUTTA,
 The 22nd December 1919.

G. J. ST. C. SEDGLEY,
 Under-Secy. to the Govt. of Bengal.

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Olroular and Eastern Canals for the week ending Saturday, the 20th December 1919, as compared with the corresponding week of the previous year.

Nature of Cargo.	WEEK ENDING SATURDAY, THE 20TH DECEMBER 1919.			WEEK ENDING SATURDAY, THE 21ST DECEMBER 1918.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		Mds.	Rs.		Mds.	Rs.
Rice and paddy ...	728	42,480	742	964	129,750	2,284
Jute ...	103	38,164 ^o	513	91	46,529 [†]	526
Firewood ...	46	26,775	387	104	60,675	947
Other articles ...	566	127,129	1,607	856	240,710	2,993
Total ...	1,443	234,548	3,249	2,015	477,664	6,750
Empty boats and rafts ...	415	...	1,303	568	...	1,152
GRAND TOTAL	1,858	234,548	4,552	2,583	477,664	7,902

Mds.
^o Weight by canal measurement 40,525
[†] Ditto ditto 49,337½

CALCUTTA,
 The 23rd December 1919.

G. J. ST. C. SEDGLEY,
 Under-Secy. to the Govt. of Bengal.



The Calcutta Gazette

WEDNESDAY, DECEMBER 31, 1919.

SUPPLEMENT.

OFFICIAL PAPERS.

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CONTENTS.

	Page.		Page.
Forecast of the Winter Til (Sesamum) Crop of Bengal, 1919-20	1497-1499	Prices-current (wholesale and retail) of food-grains and salt, etc., in the districts of Bengal for the first-half of December 1919	1504-1511
Weather and Crop Report for the week ending on the 26th December 1919	1500-1508	Trade of Calcutta for April to October 1919	1512-1520
		Statement of weekly gauge readings on the rivers in Bengal	1521-1532

DEPARTMENT OF AGRICULTURE, BENGAL.

Forecast of the Winter Til (Sesamum) Crop of Bengal, 1919-20.

[NOTE.—On an average of the five years ending 1917-18, the area under til in Bengal has represented about 4·8 per cent. of the total area under til in British India.]

Character of the season.—Owing to uneven distribution of rainfall the weather at sowing time was, on the whole, unfavourable for the crop throughout the province. Subsequently conditions were rather better until the end of October; but continued drought since then has generally stunted the growth of the crop and, in many districts, considerably reduced the outturn in consequence. Insect-pests also caused some damage in places, especially in Rajshahi, Jalpaiguri, Nadia and Bogra. In Khulna, owing to excessive rain at sowing time, the crop could not be cultivated at all this year, and in Pabna about 3,000 acres were left unsown. On the whole the season has not been better than last year.

Acresage.—The total area sown this year is estimated at 42,600 acres against 49,400 acres last year.

Outturn.—According to estimates of District Officers the outturn of the crop for the province as a whole works out at 68 per cent. of the normal against 62 per cent. last year. Taking $6\frac{1}{2}$ maunds as the normal rate of yield per acre, the gross outturn for the province is estimated at 6,500 tons against 6,900 tons last year.

DACCA;
The 23rd December 1919.

R. S. FINLOW,
Offg. Director of Agriculture, Bengal.

APPENDIX I.

Forecast of the winter *til* crop of Bengal, 1919-20.

District.	Estimated normal area under winter <i>til</i> .	Estimated area under winter <i>til</i> .		Estimated outturn as a percentage of the normal yield per unit of area.		Date by which sowing generally began this year and whether that date was early, normal or late.	Date by which harvesting generally commenced this year and whether that date is early, normal or late.	Remarks by District Officers.
		Last year (1918-19).	This year (1919-20).	Last year.	This year.			
	Acres.	Acres.	Acres.					
24-Parganas ...	300	300*	300*	55	55	August. Normal.	Not yet commenced	The weather has not been favourable owing to untimely rainfall.
Nadia ...	3,200	900	1,000	42	50	July and August. Normal.	November. Normal.	The weather was not favourable at sowing time. Some damage was caused by insects and drought. Hence the outturn is expected to fall much below the normal.
Murshidabad ...	4,100	900	900	45	67	End of August to November, normal except Jalpaiguri, late.	Not yet commenced	The weather was not favourable at sowing time, but since then it is favourable. The outturn is anticipated below the normal owing to unfavourable weather at sowing time.
Jessore ...	1,600	900	1,100	52	55	August. Normal.	November. Normal.	The increase in area is due to favourable weather at sowing time. Slight damage has been caused to the crop for want of rain in September. Hence the outturn is expected to fall below the normal.
Kulna ...	2,200	900	...	35	...	...	...	Owing to the excessive rain the cultivators could not sow the crop this year.
Burdwan ...	900	900	900	55	50	Beginning of September and October. Normal.	Not yet begun ...	The increase in area is due to favourable weather and to adoption of an assumed area for Amanol subdivision. The weather was fair, but has been dry later on. The outturn is much below the normal owing to deficient rainfall.
Birbhum ...	600	500*	500*	47	75	August. Normal.	December ...	The weather and condition of the crop have been fair. The outturn is below the normal owing to want of timely rain.
Bankura ...	2,300	2,500	3,000	57	105	August. Normal.	December. Normal.	The increase in area is due to high price of oil seed and demand for oilseed. The weather was quite favourable at sowing time but slight damage has been caused to crop owing to drought in October. The outturn is expected to be slightly above normal.
Midnapore ...	8,000	1,200	2,300	50	75	July. Normal ...	September. Normal.	The weather has not been favourable. The outturn is, therefore, expected to fall below the normal.
Hooghly ...	1,000	700*	700*	45	50	Middle of September. Normal.	End of November. Normal.	Owing to unfavourable weather the outturn has fallen much below the normal.
Howrah ...	100	(40)	(45)*	53	55	Middle of October. Normal.	Middle of November. Normal.	Some damage has been done by drought. Hence the outturn is below the normal.
Rajshahi ...	2,700	600	1,100	50	50	Middle of September. Normal.	End of December. Normal.	The increase in area is due to the favourable condition of weather at sowing time and to high prices of oilseed. The weather has been fair. Considerable damage has been caused by insect pest in Nagaon subdivision. Hence the outturn is expected to fall much below the normal.
Dinajpur ...	800	400*	400*	60	77	August to September. Normal.	Not yet commenced	The weather has been favourable at sowing time. Owing to inadequate rainfall the outturn is expected to fall below the normal.
Jalpaiguri ...	1,000	...	500	...	50	July. Normal.	November. Normal	The crop is not grown in this district to any appreciable extent. Some people of the Falakata tahsil in the Alipore subdivision have grown the crop this year only. The weather has been favourable. About half the crop has been damaged by insect-pests.
Rangpur ...	1,300	1,500*	1,500*	100	100	October. Normal.	Will begin from January.	The weather has been favourable and a normal outturn is expected.
Bogra ...	1,600	600	400	50	50	Middle of August. Normal.	Middle of November. Normal.	The weather was not favourable at sowing time, but the growth of the crop has been retarded owing to absence of rain. Some damage has been caused by insects. The outturn is therefore expected to fall much below the normal.

* Conventional area.

District.	Estimated normal area under winter <i>til</i> .	Estimated area under winter <i>til</i> .		Estimated outturn in a percentage of the normal yield per unit of area.		Date by which sowing generally began this year and whether that date was early, normal or late.	Date by which harvesting generally commenced this year and whether that date is early, normal or late.	Remarks by District Officers.
		Last year (1918-19).	This year (1919-20).	Last year.	This year.			
	Acres.	Acres.	Acres.					
Patna ...	7,000	6,000	3,000	65	50	Middle of September. Normal.	End of December. Normal.	The decrease in area is due to the fact that about 3,000 acres could not at all be sown owing to rain in the early part of September. Hence the outturn is much below the normal.
Malda ...	1,500	1,500*	1,300	80	91	September. Normal.	December. Normal.	On the whole the weather was favourable at sowing time. The falling off of outturn below the normal is due to stunted growth owing to absence of rain since middle of October.
Decca ...	3,900	3,500	3,900	73	75	End of August. Normal.	End of November. Normal.	Figures for normal area have been revised on the basis of settlement records. Want of rain at the sowing time did some damage to the crop.
Mymensingh ...	3,800	7,800	7,800	85	95	August and September. Normal.	December and January. Normal.	The weather and condition of the crop have been generally favourable.
Chittagong ...	300	300*	300*	90	100	August. Normal.	November. Normal.	The weather has been good.
Tippura ...	3,300	1,400	1,400	66	75	October. Normal.	Not yet commenced.	The weather has not been quite favourable. Some damage has been done by insects. Hence the outturn is expected to be below the normal.
Chittagong Hill Tracts.	13,000	10,500	10,500	35	35	Last week of May. Late.	Middle of November. Normal.	The weather and condition of the crop have not been favourable. The outturn is expected to be poor.
Total Bengal	73,900	49,400	43,600	63	69			

* Conventional area.

APPENDIX II.

Abstract Statement of estimated acreage and outturn of the winter *til* crop of Bengal for 1919-20.

Provinces.	AREAS (IN ACRES).						YIELD (IN TONS).							
	Of current year's crop (1919-20).	Of previous year's crop (1918-19).	Average of preceding—	Percentage by which column 2 exceeds (+), or is less than (-), area in—		Estimated yield of current year, i.e., of area in column 2.	Yield of previous year, i.e., of area in column 3.	Average of preceding—	Percentage by which column 7 exceeds (+), or is less than (-), yield in—					
				Column 3.	Column 4.				Column 8.	Column 9.				
1	2	3	4	5	6	7	8	9	10	11				
			Five years.	Ten years.	Five years.	Ten years.		Five years.	Ten years.	Five years.	Ten years.			
Bengal	43,600	49,400	68,300	75,800	-14	-23	44	6,300	6,800	7,300	10,700	-6	-10	-38

DISTRICT REPORTS ON WEATHER AND CROPS.

For the week ending on the 25th December 1919.

Summary.—There was no rainfall during the week. Harvesting of winter paddy and sugarcane is in full swing. Condition and prospects of standing crops are reported to be promising. The average price of common rice for the Province has fallen by about 3·27 per cent. as compared with that of the previous week.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEER, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches.			
1	24-PARGANAS	Nil	{ 5 6½ }	{ 5 6½ }	Harvesting of sugarcane and <i>aman</i> paddy continues. Water is sufficient. Prospects of standing crops are good.
	Diamond Harbour.	(n)	(n)	(n)	
	Barrackpore	Nil	{ 4½ 6 }	{ 4½ 6 }	
	Barasat ...	Nil	5½	5½	
	Basirhat ...	Nil	{ 6½ 5½ }	{ 6½ 5½ }	
2	NADIA ...	Nil	{ 5½ 6½ }	{ 5½ 6½ }	Prospects of standing crops are favourable. Harvesting of <i>aman</i> paddy continues.
	Kushtia ...	(n)	(n)	5	
	Meherpur ...	Nil	5½	5½	
	Chuadanga ...	(n)	(n)	{ 5½ 6 }	
	Ranaghat ...	Nil	5½	5	
3	MURSHIDARAD	Nil	6½†	6½†	Prospects of standing crops are fair. Harvesting of winter rice continues. Fodder is sufficient. No large import or export of rice. Burma rice is not available.
	Lalbagh ...	Nil	6½†	6½†	
	Jangipur ...	Nil	6½†	6½†	
	Kandi ...	Nil	6½†	6½†	
4	JESSORE ...	Nil	{ 6 6 }	{ 6 6 }	Standing crops are doing well. Harvesting of <i>aman</i> paddy continues. No large import or export of rice. Fodder is sufficient.
	Jhenidah ...	Nil	6	(n)	
	Magura ...	Nil	6	{ 6 6 }	
	Narail ...	Nil	{ 6½ 6 }	{ 5½ 6 }	
	Bangaon ...	Nil	5½	5½	
5	KHULNA ...	Nil	7½	6½	Weather seasonable: Harvesting of <i>aman</i> paddy is going on. Large export of rice is going on in Bagerhat subdivision. Fodder and water are sufficient.
	Satkhirā ...	Nil	{ 5½ 7 }	{ 5½ 7 }	
	Bagerhat ...	Nil	{ 6 7 }	{ 6 6½ }	

• Burma rice.

† Coarse rice.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE IN SEKRS. PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
6	BURDWAN ...	Inches Nil	5½	5	Weather seasonable. Harvesting of <i>aman</i> paddy continues. Condition of standing crops is fair.
	Asansol ...	Nil	6½	6½	
	Katwa ...	Nil	6	5½	
	Kalna ...	Nil	5	5	
7	BIRBHUM ...	Nil	6½	6½	Harvesting of winter rice continues. Prospects of standing crops are fair. Fodder and water are sufficient.
	Rampurhat... Nil	6½	6½		
8	BANKURA ...	Nil	6½	6	Harvesting of <i>aman</i> paddy continues. Prospects of standing crops are good. Export of rice and paddy continues.
	Vishnupur... Nil	6½	6½		
9	MIDNAPORE	Nil	{ 6½ ² 6½ ¹ 6½ ⁰	{ 5½ ¹ 6½ ¹ 6½ ⁰	Prospects of sugarcane are fair. Harvesting of winter rice continues. Fodder is sufficient.
	Ghatal ...	Nil	{ 5 5½ ¹	(n)	
	Tamluk ...	Nil	{ 5½ ¹ 5½ ¹ 6½ ⁰	{ 5 5½ ¹ 6½ ⁰	
	Contai ...	Nil	{ 6½ ¹ 7 ¹	{ 6½ ¹ 7 ¹	
10	HOOGHLY ...	Nil	{ 4½ ¹ 5½ ¹ ⁰	{ 4½ ¹ 5½ ¹ ⁰	Effects of weather on the growth of the crops are favourable. Fodder is sufficient.
	Serampore ...	Nil	{ 5½ ¹ 6 ⁰	{ 5½ ¹ 6 ⁰	
	Arambagh ...	Nil	6½	6½	
11	HOWRAH ...	Nil	5½	{ 4½ ¹ 6½ ¹	Weather cold. Harvesting of <i>aman</i> paddy and planting of sugarcane continue. Prospects of sugarcane and <i>rabi</i> crops are fair. Fodder is sufficient.
	Ulubaria ..	Nil	{ 4½ ¹ 6½ ¹ ⁰	{ 4½ ¹ 6½ ¹ ⁰	
12	RAJSHAHI (RAMPUR-BOALIA).	Nil	6½	6½	Prospects of standing crops are favourable. Harvesting of winter rice continues. Fodder is sufficient.
	Naogaon ...	Nil	6½	6½	
	Nator ...	Nil	{ 6 7 ⁰	{ 6 7 ⁰	
13	DINAJPUR ...	Nil	6½	5½	Prospects of standing crops are fair. Market of rice is stationary.
	Thakurgaon	Nil	7	5½	
	Balurghat ...	Nil	7½	7½	
14	JALPAIGURI...	Nil	6	5	Prospects of standing crops are fair. Fodder and water are sufficient.
	Alipur ...	Nil	5	{ 5 6 ⁰	

° Burma rice.

† Coarse rice.

‡ And rice.

§ New.

(n) Not reported.

Serial No.	District and subdivision.	Rainfall.	PRICE OF COMMON RICE, IN SEER, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
15	DARJEELING	Nil	{ 4½ 5½	{ 4½ 5½	Winter paddy and <i>marua</i> are being harvested. Potatoes, wheat and barley are growing up. Stock of rice is sufficient. Fodder and water are sufficient.
	Kurseong ...	Nil	{ 5 5½	{ 5 5½	
	Siliguri ...	Nil	5½	5½	
	Kalimpong...	Nil	{ 5 5½	{ 5 5½	
16	RANGPUR ...	Nil	6½	5½	Weather seasonable. Harvesting of winter rice and potatoes is going on. Prospects of standing crops are good. Price of rice is falling owing to appearance of new rice. Fodder and water are sufficient.
	Nilphamari	Nil	6½	(n)	
	Kurigram ...	Nil	6	5½	
	Gaibandha ...	Nil	5½	5½	
17	BOGRA ...	Nil	6½	6½	Harvesting of winter rice continues. Prospects are fair.
18	PABNA ...	Nil	{ 6 6	{ 5½ 5½† 6	
	Sirajganj ...	Nil	{ 4 5½	{ 4 5½	Fodder is sufficient.
19	MALDA ...	Nil	6½	6½	
20	COOCH BEHAR	Nil	6½	6½	Harvesting of winter rice continues. Fodder and water are sufficient. Cattle-disease is reported from Gomastapur and Harishchandrapur thanas.
					Weather seasonable. Harvesting of <i>hai-mantic</i> paddy continues. Condition of standing crops is favourable. Fodder and water are sufficient. Burma rice is not available.
21	DACCA ...	(n)	{ 6 6	{ 6 6	Weather seasonable and favourable for the growth of <i>rabi</i> crops. Harvesting of winter rice is completed. Prospects of <i>rabi</i> crops are fair.
	Manikganj ...	Nil	{ 6½ 6	{ 5 5½	
	Narayanganj	Nil	{ 6 6½	{ 6 6	
	Munshiganj (a)	Nil	{ 6½ 6½	{ 6½ 6½	
22	MYMENSINGH	Nil	{ 5½ 5½	{ 5½ 5½	Weather seasonable. Harvesting of winter rice and transplantation of <i>boro</i> paddy are going on. Prospects of crops are good. Fodder and water are sufficient.
	Jamalpur ...	Nil	{ 5 6½	{ 5 6½	
	Tangail ...	(n)	(n)	{ 5½ 5	
	Netrakona ...	Nil	6½	4½	
	Kishorganj...	Nil	{ 6½ 6½	{ 6½ 6½	

(n) Not reported.

* Burma rice.

† New.

(a) Munshiganj being very near to Dacca and Narayanganj, its rainfall statistics are not quoted. To give information regarding the northern part of the district, rainfall figures for Kapasia thana are reported here.

Serial No.	Districts and subdivisions.	Rainfall.	PRICE OF COMMON RICE, IN SEERS, PER RUPEE.		Character of the weather, condition of crops, etc.
			This week.	Previous week.	
1	2	3	4	5	6
		Inches			
23	FARIDPUR ...	Nil	{ 6 6½	{ 5 6½	Effects of weather are favourable to crops. Harvesting of <i>aman</i> paddy is nearly finished. Prospects of standing crops are fair. Fodder is available.
	Goalundo ...	Nil	{ 6 6½	{ 6 6	
	Madaripur ...	Nil	{ 6½ 6½	{ 6½ 6	
	Gopalganj(a)	Nil	{ 6½ 6½	{ 6 6½	
24	BAKARGANJ (BABISAL).	Nil	{ 6½ 6½ 8	{ 4 6½ 6½	Fodder is sufficient. Prospects of standing crops are good.
	Pirojpur ...	Nil	{ 4½ 6½	{ (n)	
	Patuakhali ...	Nil	{ 4½ 6½ 8	{ 4½ 7½ 8	
	Dakshin Shabazpur (Bhola).	Nil	{ 4½ 5½	{ 4 5½	
25	CHITTAGONG	Nil	{ 6½ 6½	{ 6½ 6½	Prospects of standing crops are fair. Cultivation of <i>rabi</i> crops and harvesting of <i>aman</i> paddy are in progress. <i>Panga</i> salt is selling at 10 and 9 seers per rupee both at Sadar and Cox's Bazar, respectively. Fodder is sufficient.
	Cox's Bazar	Nil	{ 6½ 6½	{ 6½ 6½	
26	TIPPERA (COMILLA).	Nil	6½	7½	Harvesting of <i>aman</i> paddy is nearly finished and its outturn is hopeful. <i>Rabi</i> crops are thriving and the prospects are fair. No large import or export of rice.
	Brāhmanbaria.	Nil	{ 6½ 5½	{ 6½ 6½	
	Chandpur ...	Nil	{ 6½ 6½	{ 6 6½	
27	NOAKHALI ...	Nil	5½	5½	Prospects of standing crops are fair. Fodder is sufficient. Cattle-disease is reported from thanas Chhagalnaya and Pashuram.
	Feni ...	Nil	6½	6½	
28	CHITTAGONG HILL TRACTS.	Nil	{ 6 7½	{ 5 6½	Weather cloudy. Harvesting of <i>aman</i> paddy has begun and that of cotton crop is in progress. Outturns are fair. Fodder is sufficient.

(a) The rainfall at Haridaspur, which is very near to Gopalganj, is shown here.

* Burma rice.

† Local rice.

§ New.

(n) Not reported.

J. C. Roy,

for Director of Agriculture, Bengal.

DACCA, the 29th December 1919.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of December 1919.

Marts.	PADDY (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1916.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1916.	Corresponding return of 1916.*
	1	2	3	4	5	6	7
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	4 3 0	4 3 0	3 3 0	3 0 0	3 2 0	4 3 0	
Chota Hat							
Burdwan	4 14 0	4 14 0	3 2 0	2 4 0	2 5 0	3 12 0	
Kalna					to 3 0 0		
Baniganj	(R)						
Midnapore	3 12 0	4 4 0	3 0 0	1 12 0	2 2 0	2 3 0	
Chittagong	3 4 0	(c)	2 10 0	(c)	to 2 11 0	2 2 0	
Chandpur							
Dacca	5 0 0	5 12 0	3 0 0	2 0 0	3 4 0	3 3 0	
Narayanganj							
Mymensingh							
Madaripur							
Pabna	4 4 0	5 0 0	3 5 0	1 12 0	2 13 0	3 6 0	
Sirajganj	(R)						
Rangpur	4 3 0	5 0 0	3 0 0	2 5 0	3 12 0	3 6 0	

* Figures not available.

(c) No sale.

Marts.	PADDY (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1916.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1916.	Corresponding return of 1916.
	8	10	11	12	13	14	15
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	4 0 0	4 0 0	3 0 0	2 3 0	2 13 0	3 14 0	
Chota Hat							
Burdwan	4 12 0	4 12 0	2 11 0	1 11 0	to 2 4 0	3 3 0	
Kalna					to 3 0 0		
Baniganj	(R)						
Midnapore	3 9 0	4 2 0	2 12 0	1 0 0	to 2 0 0	2 4 0	
Chittagong	3 4 0	(c)	2 10 0	(c)	to 2 0 0	3 0 0	3 0 0
Chandpur							
Dacca	5 0 0	5 3 0	2 14 0	1 12 0	3 0 0	3 0 0	
Narayanganj							
Mymensingh							
Madaripur	(R)						
Pabna	3 12 0	4 3 0	3 0 0		2 11 0	2 12 0	3 5 3
Sirajganj	(R)						
Rangpur	3 0 0	5 0 0	2 0 0	2 0 0	3 0 0	2 4 0	3 0 0

(R) New.

(c) No sale.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of December 1919.

Marts.	RICE (BEST QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	16	17	18	19	20	21.	22
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 8 0	9 8 0	8 0 0	7 0 0	7 2 0	8 4 0	7 8 0
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	8 0 0	8 2 0	8 0 0	8 0 0	5 0 0 to 8 0 0	8 0 0	6 8 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	10 0 0	10 0 0	(a) ...	8 4 0	4 4 0 to 6 0 0	7 8 0	8 12 0
Chittagong ...	12 0 0	12 0 0	10 0 0	7 0 0	5 8 0	10 0 0	10 0 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	10 0 0	10 8 0	8 0 0	4 12 0	5 12 0	6 10 0	5 4 0
Narayanaganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	8 0 0	9 0 0	7 6 0	5 0 0	5 0 0	8 0 0	8 0 0
Sirajganj ...	(R)	...	...	...	...	...	...
Rangpur ...	8 0 0	12 0 0	7 0 0	6 0 0	7 8 0	8 4 0	7 4 0

Marts.	RICE (COMMON QUALITY).						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	23	24	25	26	27	28	29
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 0 0	8 0 0	6 4 0	5 0 0	5 0 0	7 8 0	6 0 0
Chetla Hat ...	...	...	...	...	...	...	...
Burdwan ...	to 8 8 0 to 7 0 0	6 8 0 to 7 0 0	6 8 0	3 8 0	3 12 0 to 4 4 0	5 4 0	5 0 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	7 8 0	7 8 0	(a) ...	3 8 0 to 4 2 0	3 12 0 to 5 0 0	4 10 0	5 4 0
Chittagong ...	6 0 0	6 0 0	5 8 0	3 12 0	4 8 0	4 8 0	5 0 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	8 14 0 (R)	9 8 0	7 12 0	3 8 0	5 0 0	5 10 0	5 4 0
Narayanaganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	7 5 0	7 11 0	5 6 0	3 4 0	4 12 0	5 10 0	5 5 0
Sirajganj ...	(R)	...	...	...	...	...	...
Rangpur ...	7 0 0	10 12 0	4 8 0	4 8 0	5 12 0	5 0 0	6 0 0

(R) Now.

(a) Not available.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of December 1919.

Marts.	WHEAT.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	30	31	32	33	34	35	36
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 0 0	8 0 0	7 4 0	5 0 0	4 14 0	3 2 0	5 12 0
Chota Hat ...	...	...	...	...	...	...	...
Burdwan ...	7 12 0	7 12 0	(a)	5 2 0	5 0 0	5 8 0	...
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	8 4 0	8 6 0	9 0 0	5 12 0	5 0 0	5 8 0	...
Chittagong ...	...	...	...	...	...	...	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	...	...	...	...	...	...	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	7 8 0	8 11 0	...	4 0 0	4 0 0	5 0 0	4 14 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	7 0 0	7 0 0	6 0 0	5 0 0	5 8 0	5 4 0	5 0 0

(a) Not in stock.

Marts.	KALAI DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.*
	37	38	39	40	41	42	43
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	8 8 0	8 8 0	10 0 0	5 8 0	5 6 0	5 14 0	...
Chota Hat ...	...	...	...	...	...	...	...
Burdwan ...	8 0 0	8 0 0	12 8 0	5 0 0	5 4 0	5 12 0	...
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	9 8 0 to 10 0 0	9 8 0 to 10 8 0	10 8 0 to 11 0 0	5 0 0	5 8 0	4 8 0	...
Chittagong ...	...	...	...	...	...	...	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	...	...	...	...	...	...	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	...	...	...	...	...	...	...
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	10 0 0	10 0 0	7 0 0	7 0 0	7 8 0	6 8 0	...

* Figures not available.

Wholesale prices-current of food-grains, salt, etc., in the under-mentioned marts of Bengal for the first-half of December 1919.

Marts.	GRAM.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	46	45	44	47	48	49	50
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	7 8 0	7 8 0	5 0 0	3 8 0	3 8 0	3 14 0	4 12 0
Chitta Hât ...	...	...	...	...	...	...	...
Burdwan ...	6 12 0 to 7 8 0	6 12 0 to 7 8 0	5 6 0	3 0 0	3 14 0	4 4 0	5 8 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	8 0 0 to 9 0 0	8 0 0 to 9 4 0	5 12 0 to 7 0 0	3 14 0 to 4 8 0	4 12 0	4 11 0	...
Chittagong ...	9 0 0	8 4 0	6 8 0	4 4 0	5 0 0	6 0 0	...
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	...	...	...	...	...	...	...
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	...	...	...	...	...	...	...
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	7 8 0	7 8 0	7 0 0	5 4 0	7 10 0	7 0 0	...

Marts.	ANAR DAL.						
	Present return.	Next preceding return.	Corresponding return of 1918.	Corresponding return of 1917.	Corresponding return of 1916.	Corresponding return of 1915.	Corresponding return of 1914.
	51	52	53	54	55	56	57
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta ...	9 8 0	9 8 0	7 12 0	5 0 0	5 4 0	3 8 0	3 8 0
Chitta Hât ...	...	...	...	...	...	...	...
Burdwan ...	9 12 0	9 12 0	3 8 0	4 8 0	5 0 0	6 12 0	6 4 0
Kalna ...	...	...	...	...	...	...	...
Raniganj ...	...	...	...	...	...	...	...
Midnapore ...	11 0 0 to 12 0 0	11 0 0 to 12 0 0	8 8 0 to 9 0 0	5 0 0 to 6 8 0	7 0 0	7 10 0	...
Chittagong ...	11 8 0	11 8 0	10 0 0	8 8 0	7 0 0	7 8 0	7 8 0
Chandpur ...	...	...	...	...	...	...	...
Dacca ...	9 0 0	9 0 0	8 0 0	4 12 0	6 0 0	7 8 0	6 8 0
Narayanganj ...	...	...	...	...	...	...	...
Mymensingh ...	...	...	...	...	...	...	...
Madaripur ...	...	...	...	...	...	...	...
Pabna ...	13 0 0	12 0 0	9 12 0	6 0 0	6 0 0	8 0 0	8 0 0
Sirajganj ...	...	...	...	...	...	...	...
Rangpur ...	(a)	(a)	7 0 0	5 0 0	7 8 0	6 12 0	6 4 0

(a) Not available.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the first-half of December 1919.

Marts.	LINSEED.			MUSTARD.			GUA.			COTTON (UNGINNED).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	88	89	90	61	62	63	64	65	66	67	68	69
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	12 0 0	13 0 0	19 0 0	12 8 0	12 8 0	9 0 0	10 8 0	10 8 0	6 4 0	25 0 0	25 0 0	37 0 0
Chella Hat	...	...	...	...	...	...	...	...	...	...	...	...
Burdwan	11 0 0 to 12 0 0	11 0 0 to 12 0 0	(a)...	12 0 0 to 14 8 0	12 0 0 to 14 8 0	12 8 0	6 0 0 to 8 0 0	6 0 0 to 8 0 0	8 8 0	(a)...	(a)...	(a)...
Kalna	...	...	...	...	...	...	...	...	...	...	...	...
Raniganj	...	...	...	...	...	...	...	...	...	...	...	...
Midnapore	12 0 0	10 0 0	10 0 0	14 8 0 to 15 0 0	14 8 0 to 15 0 0	11 8 0 to 13 0 0	11 0 0	11 0 0	7 12 0	40 0 0	40 0 0	70 0 0
Chittagong	15 0 0	15 0 0	10 0 0	12 8 0	12 8 0	9 8 0	12 0 0	12 0 0	8 8 0	14 0 0	14 0 0	8 0 0
Chandpur	...	...	...	...	...	...	...	...	...	...	...	...
Dacca	17 0 0	17 8 0	12 0 0	11 8 0	12 0 0	12 0 0	14 0 0	16 0 0	9 8 0	...	...	...
Narayanganj	...	...	...	...	...	...	...	...	...	...	...	...
Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...
Madaripur	...	...	...	...	...	...	...	...	...	...	...	...
Fabua	(a)	15 0 0	8 0 0	12 8 0	12 8 0	11 0 0	10 10 0	10 10 0	...	...	...	...
Sirajganj	...	...	...	...	...	...	...	...	...	...	...	...
Rangpur	(a)...	(a)...	...	12 0 0	12 0 0	7 8 0	11 8 0	12 0 0	8 0 0	...	...	...

Marts.	JUTE.			GHER.			HIDES (GOV).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	70	71	72	73	74	75	76	77	78
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	12 0 0	12 0 0	12 0 0	78 0 0	78 0 0	70 0 0	450 0 0	Per 100 pieces. 450 0 0	450 0 0
Chella Hat	...	...	...	...	...	...	...	...	...
Burdwan	(a)...	(a)...	(a)...	88 0 0	88 0 0	88 0 0	(a)...	(a)...	40 0 0
Kalna	...	...	...	...	...	...	...	...	...
Raniganj	...	...	...	...	...	...	...	...	...
Midnapore	5 4 0	5 4 0	7 0 0	95 0 0 to 110 0 0	95 0 0 to 95 0 0	75 0 0 to 80 0 0	450 0 0	Cleaned pieces per 100. 450 0 0	275 0 0
Chittagong	...	...	...	90 0 0	90 0 0	75 0 0	425 0 0	Uncleaned pieces per 100. 425 0 0	250 0 0
Chandpur	3 4 0 to 10 8 0	3 8 0 to 10 8 0	6 8 0 to 10 8 0	...	...	...	...	...	...
Dacca	...	...	...	90 0 0	79 0 0	66 0 0	...	...	...
Narayanganj	4 0 0 to 8 0 0	4 0 0 to 8 0 0	5 8 0 to 10 0 0	...	...	...	...	...	...
Mymensingh	4 0 0 to 10 8 0	4 0 0 to 10 0 0	5 0 0 to 10 8 0	...	...	...	...	...	...
Madaripur	4 0 0 to 10 0 0	3 12 0 to 11 4 0	3 4 0 to 10 8 0	...	...	...	...	...	...
Fabua	...	...	...	76 0 0	76 0 0	107 0 0	...	...	...
Sirajganj	4 0 0 to 6 0 0	4 0 0 to 6 0 0	5 0 0 to 7 0 0	...	...	...	...	...	...
Rangpur	5 0 0	6 0 0	8 0 0	72 0 0	72 0 0	65 0 0	Per piece. 4 0 0	Per piece. 4 0 0	Per piece. 4 0 0

(a) Not available.

(b) No sale.

Wholesale prices-current of food-grains, salt, etc., in the undermentioned marts of Bengal for the first-half of December 1919.

Marts.	IRON.			SALT.			KEROSENE OIL.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	79	80	81	82	83	84	85	86	87
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	3 0 0	3 0 0	25 0 0	3 5 0	3 5 0	3 10 0	3 15 0(a)	3 15 0(a)	3 2 0
Cuttack Hat	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hardwar	17 5 0	16 5 0	12 0 0 to 23 0 0	3 3 0	3 3 0	3 3 0	3 2 0(b)	3 2 0(b)	3 5 0
Kalna	.....	.....	.....	.....	.....	.....	.....	.....	.....
Manikganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Midnapore	3 0 0 to 17 0 0	3 0 0 to 18 0 0	3 0 0 to 20 0 0	3 10 0	3 10 0	3 10 0	4 2 0(d)	4 2 0(d)	.....
Patnagong	20 0 0	20 0 0	20 0 0	3 11 0	4 0 0	3 3 0	3 0 0(e)	3 0 0(e)	2 4 0
Shandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Secca	.....	.....	.....	4 0 0	4 0 0	4 3 0	4 2 0(d)	4 2 0(d)	4 5 0
Barananganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wymondslagh	.....	.....	.....	.....	.....	.....	.....	.....	.....
Adaripar	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barua	15 0 0 to 15 0 0	15 0 0 to 15 0 0	15 0 0 to 27 0 0	4 3 0	4 3 0	4 4 0	4 3 0(d)	4 3 0(d)	3 12 0
Bariganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barpur	22 0 0	22 0 0	22 0 0	4 0 0	4 0 0	4 5 0	4 4 0(h)	4 4 0(h)	4 10 0

(a) Monkey brand. | (b) Rising Sun. | (c) Mosque. | (d) Elephant. | (h) Gold Mohur.

Marts.	MUSTARD OIL.			FIREWOOD.			COAL (BENGAL).		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	88	89	90	91	92	93	94	95	96
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta	35 0 0	35 0 0	24 0 0	0 3 0	0 3 0	0 3 0	.....	.....	.....
Cuttack Hat	.....	.....	.....	.....	.....	.....	0 5 0	0 3 0	0 3 0
Hardwar	34 0 0	34 0 0	25 0 0	0 3 0	0 3 0	0 3 0	0 7 0	0 7 0	0 9 0
Kalna	.....	.....	.....	.....	.....	.....	0 3 0	0 3 0	0 3 0
Manikganj	.....	.....	.....	.....	.....	.....	0 1 0	0 1 0	0 3 0
Midnapore	40 0 0 to 41 0 0	40 0 0 to 41 0 0	35 0 0	0 7 0	0 7 0	0 7 0	.....	.....	.....
Patnagong	40 0 0	40 0 0	25 0 0	.....	.....	.....	.....	.....	.....
Shandpur	.....	.....	.....	.....	.....	.....	.....	.....	.....
Secca	37 0 0	30 0 0	24 0 0	.....	.....	.....	.....	.....	.....
Barananganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wymondslagh	.....	.....	.....	.....	.....	.....	.....	.....	.....
Adaripar	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barua	37 0 0	35 0 0	20 0 0	.....	.....	.....	.....	.....	.....
Bariganj	.....	.....	.....	.....	.....	.....	.....	.....	.....
Barpur	37 0 0	40 0 0	25 0 0	.....	.....	.....	.....	.....	.....

DACCA,
The 27th December 1919.

J. C. ROY,
for Director of Agriculture, Bengal.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the first-half of December 1919.

Number.	DISTRICTS AND MARKS.	QUANTITY PER RUPEE IN SEER OF EIGHTY TOLAS.														
		COMMON RICE.						KALAI DAL (<i>Phaseolus radiatus</i>).			ANNAR (DAL) OR THON, CAJAN P'KA (<i>Cajanus indicus</i>).			SALT.		
		Average.			Cheapest.			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
PRESIDENCY.	24-PARAGANAH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.
	1 Chota Hat	4 4	4 3	5 3	5 0	5 0	5 3	4 3	4 3	4 0	4 0	4 0	4 0	10 10	10 10	10 0
	2 Magra Hat	5 12	5 1	6 4	6 0	5 12	7 4	(a)	(a)	(a)	3 12	3 10	4 7	10 12	10 12	11 4
	3 Calcutta-Bellinghata	4 12	4 12	5 0	5 3	5 3	7 4	4 7	4 7	3 12	4 0	4 0	5 0	10 0	10 0	10 0
	NADIA.															
	4 Gauri	5 11	5 11	6 4	6 3	6 3	7 0	3 3	3 4	4 0	3 3	3 4	4 0	12 0°	12 0°	10 0
	5 Ranaghat	5 0	4 3	5 3	5 3	5 12	7 0	3 2	3 2	5 4	3 2	3 3	5 4	10 5°	10 5°	9 0
	MURSHIDABAD.															
	6 Berhampur	6 0	5 12	6 12	6 4	6 0	7 0	5 0	5 0	4 0	5 0	4 0	5 0	12 0°	12 0°	9 0
	7 Kandi	6 0	5 0	6 4	6 0	5 12	8 3	5 0	4 4	4 0	4 0	4 0	5 3	10 3	10 3	10 0
	8 Jangipur	6 0	5 3	7 4	7 4	6 3	7 12	3 3	3 3	5 3	3 3	3 3	7 0	12 3	12 0	9 0
	JESSORE.															
	9 Sadar	4 0	6 0	5 12	6 0	6 3	8 0	2 3	2 3	4 3	3 0	3 0	4 0	11 4	11 4	10 0
	10 Bangaon	5 11	4 3	7 0	6 2	5 15	8 0	2 11	2 11	4 0	2 0	2 0	4 0	11 4	11 4	10 12
	KHULNA.															
	11 Sadar	5 3	4 4	5 0	5 3	4 4	6 3	3 3	3 3	5 0	3 3	3 3	4 3	10 4	10 4	9 0
	12 Bagerhat	5 12	5 4	7 3	6 10	6 10	6 0	5 0	5 0	5 4	3 10	3 10	5 4	9 0	9 0	9 0
	BURDWAN.															
	13 Sadar	5 4	5 0	6 4	5 3	5 3	7 3	4 3	4 3	2 0	3 12	3 12	4 3	10 3	10 3	10 10
	14 Kalna	4 3	4 3	5 4	5 0	4 12	6 10	3 10	3 10	5 0	3 10	3 10	4 0	10 0	10 0	10 3
	BIRBHUM.															
	15 Buri	6 0	6 12	6 3	6 3	7 0	7 3	5 3	5 3	4 0	3 12	3 3	5 0	12 0°	12 0°	10 0
	16 Rampur Hat (a) ... ..	...	6 0	7 0	...	7 0	7 3	...	6 0	3 0	...	3 3	6 0	...	10 0	11 0
	BANKURA.															
	17 Sadar	6 4	6 4	7 0	5 3	5 3	7 3	5 3	5 0	4 0	4 3	4 0	5 0	11 0	11 0	10 3
	18 Vishnupur	6 3	6 3	7 3	7 3	7 4	8 0	4 3	4 4	5 0	3 4	3 4	4 3	10 3	10 3	11 0
	MIDNAPORE.															
	19 Sadar	6 0	6 0	(a)	6 11	6 5	(a)	3 4	3 4	4 3	2 4	2 4	4 3	10 0	10 0	9 0
	20 Contai	6 3	4 3	7 3	7 0	5 3	8 0	3 0	3 0	7 3	2 0	3 0	7 3	10 3	12 0	10 0
	HOOGHLY.															
	21 Sadar	4 12	4 3	5 0	5 4	5 0	6 12	4 0	4 0	4 0	3 12	3 3	5 0	11 3	10 12	11 0
	22 Arambagh	6 2	5 12	7 3	6 3	6 0	7 10	3 4	3 4	4 0	3 4	3 4	5 3	10 10	10 10	9 0
	HOWRAH.															
	23 Sadar	5 4	5 4	5 0	7 3	6 0	6 0	4 3	4 3	4 0	4 0	4 0	4 12	11 0	11 0	10 0
	24 Ulubaria	4 3	4 3	5 3	5 3	5 10	7 0	4 0	4 0	4 0	3 10	3 10	3 3	11 3	11 3	11 4
	RAJSHAHI.															
RAJSHAHI.	25 Rampur-Bodla	5 3	5 10	5 12	6 3	6 0	7 3	5 4	4 3	4 3	3 3	3 3	5 4	9 12°	9 12°	8 3
	26 Nater	6 0	4 14	7 3	6 3	5 4	8 0	4 0	4 3	5 3	4 0	4 0	7 3	9 3	9 3	8 0
	27 Dinajpur-Railway Bazar Hat.	4 12	4 12	7 12	5 3	5 2	8 3	3 12	3 12	4 12	3 3	3 3	5 3	10 0	10 0	8 0
	28 Jalpalguri-Sadar	6 0	4 4	9 0	7 3	5 0	10 0	4 0	4 0	5 4	3 12	3 12	5 4	9 0	9 0	8 0

° Karkatch.

(a) Not available.

(a) Not reported.

Prices-current (retail) of food-grains, salt, etc., in the districts of Bengal for the first-half of December 1918—concl.

DIVISION.		Number.	DISTRICTS AND PARTS.	QUANTITY PER RUPEE IN BRASS OF EIGHTY TOLAS.														
				COMMON RICE.						KALAI DAT. (<i>Phaseolus radiatus</i>).			ARHAR (DAL) OR TURU, GADJAN P'RA (<i>Cajanus indicus</i>).			SALT.		
				Average.			Cheapest.			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
RAJBHARI.			DARJELING.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	S. CH.	
29	Sadar	...	...	3 12	3 12	5 4	5 0	4 8	3 0	2 12	2 12	4 0	2 12	2 12	4 0	3 0	3 0
30	Siliguri	...	...	4 8	4 8	6 0	5 0	5 0	3 0	3 8	3 8	5 8	3 8	3 8	5 0	3 0	3 0
			BANGPUR.															
31	Sadar	...	...	5 4	3 6	3 8	5 10	4 4	3 8	3 12	3 12	4 8	3 0	3 0	5 0	3 0	3 0
32	Nilphamari	...	...	5 0	4 0	3 8	5 10	5 0	3 0	4 0	4 0	5 12	3 8	3 8	5 12	3 0	10 0
33	Bogra—Sadar	...	...	6 4	5 12	5 8	5 10	5 4	3 4	3 8	3 8	6 0	3 8	3 8	4 8	9 12	9 12
			PABNA.															
34	Sadar	...	...	5 4	5 4	7 4	5 5	5 8	3 0	3 14	3 14	...	3 0	3 0	4 8	11 8	11 8
35	Sirajganj	...	...	4 0	4 4	5 8	4 4	4 8	7 8	4 0	4 0	5 12	3 8	3 8	5 0	3 0	3 0
			MALDA.															
36	Sadar	...	...	5 12	4 12	7 8	7 0	6 0	3 0	4 0	5 0	5 0	3 0	3 8	5 0	12 0	12 0
37	Balla—Nawabganj	...	...	5 8	4 12	3 0	7 8	6 0	3 4	5 8	5 0	...	2 8	3 8	5 8	12 0	11 8
			DACCA.															
38	Sadar	...	...	5 0	4 8	5 4	5 0	5 8	7 12	5 0	4 8	2 8	4 8	4 0	5 0	10 0	10 0
39	Mumbari Hat	...	...	5 8	4 8	5 5	6 8	4 8	5 5	(n)	(n)	(n)	4 0	(n)	(n)	3 4	3 0
			MYMENSINGH.															
40	Nasirabad	...	...	4 0	4 0	5 10	4 4	4 4	5 10	4 0	4 0	3 0	4 0	4 0	5 4	3 0	3 0
41	Netrokona	...	...	5 10	4 8	5 8	5 12	5 5	7 8	5 0	5 4	5 8	3 8	3 8	5 8	10 0	10 0
			FARIDPUR.															
42	Sadar	...	...	4 12	4 12	7 0	5 0	5 0	3 0	4 0	4 0	4 0	3 4	3 0	4 4	3 8	3 8
43	Rajbari	...	...	5 5	5 5	7 4	5 12	5 12	3 0	4 8	4 0	4 12	3 8	3 8	4 12	3 4	10 0
			BAKARGANJ.															
44	Barisal	...	...	4 4	4 0	7 1	4 8	4 4	7 10	5 4	5 4	4 8	3 4	3 4	4 0	3 4	3 4
45	Pirojpur	...	...	3 12	3 12	6 8	3 14	3 14	6 8	4 0	4 0	...	(n)	(n)	4 12	3 0	3 0
			TIPPERA.															
46	Comilla	...	...	6 8	5 0	7 12	6 8	6 8	3 0	4 8	4 8	5 0	3 0	3 0	4 0	3 0	3 0
47	Chandpur	...	...	3 14	3 14	7 12	5 5	5 4	3 0	3 10	3 10	5 4	3 4	3 4	5 0	3 8	3 8
			NOAKHALI.															
48	Kallara Hat	...	...	5 0	5 0	5 8	6 0	6 0	7 0	5 8	5 8	4 0	3 4	3 4	5 8	3 0	3 0
49	Feni Hat	...	...	5 7	5 12	5 4	5 12	7 0	5 12	4 10	5 0	6 8	(n)	(n)	(n)	3 0	3 0
			CHITTAGONG.															
50	Sadar	...	...	5 8	5 8	7 8	7 0	7 0	3 0	4 0	4 0	4 0	3 12	3 12	4 0	10 0	10 0
51	Cox's Bazar	...	...	5 8	5 8	11 0	(n)	(n)	11 0	4 0	4 0	4 0	3 4	3 4	4 0	3 0	3 0
52	Chittagong Hill Tracts—Rangamati.	...	...	5 0	5 0	6 0	6 0	6 0	7 0	4 0	4 0	3 4	3 0	3 0	4 8	3 0	3 0

* Karkatch.

(n) Not available.

(n) Not reported.

J. C. ROY,
for Director of Agriculture, Bengal.

DACCA ;
The 27th December 1919.

DEPARTMENT OF STATISTICS, INDIA.

CALCUTTA TRADE FLUCTUATIONS.

THE following tables are intended to show the trade by all routes, i.e., by rail, river, canal, road, and sea, of the Calcutta block* in certain selected articles during the seven months, April to October, 1919, as compared with the corresponding period of 1918 and 1917. The statistics have been compiled from returns furnished by the Collector of Customs, Calcutta, Railway Audit Offices, Steamer Companies, the Commissioners for the Port of Calcutta, the Collectors of the 24-Parganas and Howrah, and the Assistant Engineer, Calcutta Canals.

General Summary.

Imports.—The imports of rice, including paddy†, into Calcutta* by rail, river, canal, road, and sea (coastwise) during the seven months, April to October, 1919, amounted to 14,816,000 maunds, as against 7,594,000 maunds in the corresponding period of the preceding year—an increase of 95 per cent. There was an increase (14 per cent) in the imports of coal and coke (56,569,000 maunds as against 49,511,000 maunds last year). The imports by rail, river, road, and sea (coastwise) of Indian cotton piecegoods showed an increase of 70 per cent, the total value amounting to Rs. 5,64,28,000 as against Rs. 3,32,25,000 in 1918. The quantity of indigo imported during the seven months, April to October, 1919, decreased from 5,733 maunds to 2,919 maunds. The imports of raw jute amounted to 2,564,000 bales as against 2,945,000 bales—a decrease of 18 per cent. The importations of gunny bags also showed a decrease of 29 per cent (206 million bags as against 293 millions in the preceding year). The total imports of oilseeds (linseed and rape and mustard seed) increased by 13 per cent, from 4,136,000 maunds to 4,663,000 maunds. The imports of sugar decreased by 18 per cent, from 394,000 maunds to 325,000 maunds, and those of tea by 19 per cent, from 2,023,000 maunds to 1,830,000 maunds.

Exports.—The exports of cotton piecegoods, foreign, from Calcutta by all routes during the seven months, April to October, 1919, increased by 9 per cent (Rs. 14,99,35,000 as against Rs. 13,78,69,000 last year). The exports of gunny bags (including the exports by sea to foreign countries) decreased from 825 million bags to 634 million bags, and the shipments of gunny bags to other Indian ports decreased from 24 millions to 21 millions in number in the period under review. The quantity of kerosene oil despatched from Calcutta and Budge-Budge by internal routes and by sea (coastwise) increased from 2,914,000 maunds to 3,363,000 maunds, or by 15 per cent.

* The Calcutta block consists of the town of Calcutta with Howrah and Kidderpore Docks.

† One maund of paddy is equivalent to 25 seers of rice.

TABLE I

Trade of Calcutta in certain selected articles in the seven months, April to October, 1919, compared with the corresponding months of 1918.

	IMPORTS		EXPORTS	
	BY RAIL, ROAD, RIVER, CANAL, AND SEA (COASTWISE) (a)		BY SEA (FOREIGN AND COASTWISE)	
	April to October, 1919	April to October, 1918	April to October, 1919	April to October, 1918
Food-grains—				
Rice Mds	19,894,411	6,441,344	1,939,868	2,080,190
Paddy "	2,374,802	1,843,717	174,306	2,341
Total (in rice) (b)	14,815,976	7,893,707	2,011,013	2,331,608
Wheat "	1,876,004	3,634,363	59,194	698,734
Wheat flour "	97,439	46,468	290,618	266,186
Gram and pulse "	3,046,497	3,416,360	866,769	799,750
Other food-grains "	484,868	322,093	31,793	21,277
Total food-grains	20,322,706	18,013,891	2,199,616	4,387,544
Coal and Coke "	84,565,004	49,511,358	9,849,852	2,429,729
Cotton, raw Bales	90,833	61,604	49,396	12,040
.. twist and yarn, Indian Mds	164,999	201,798	129,979	69,811
.. piecegoods, Indian Rs	6,64,78,410	1,39,24,806	1,071,067	10,02,870
Indigo Mds	7,919	5,733	7,411	21,112
Jute, raw Bales	2,633,573	2,946,172	1,080,304	1,809,140
.. gunny bags No	206,872,477	298,171,714	390,231,301	769,358,227
Lac Mds	332,073	234,777	311,356	331,282
Oilseeds—Linseed "	3,204,836	2,289,616	3,309,526	1,019,267
.. Rapeseed and mustard "	1,458,073	1,863,622	62,688	226,969
Silk, raw "	1,350	1,407	3,268	2,161
Sugar—Refined "	41,418	107,336	120,874	12,064
.. Unrefined "	243,624	265,046	4,293	663
Tea (Indian) "	1,829,694	2,028,086	1,606,266	1,916,862
Tobacco—unmanufactured "	660,686	426,096	192,716	120,619
.. manufactured "	29,822	29,724	4,609	6,241
	IMPORTS		EXPORTS	
	BY SEA (FOREIGN AND COASTWISE) (c)		BY RAIL, ROAD, RIVER, CANAL, AND SEA (COASTWISE)	
	April to October, 1919	April to October, 1918	April to October, 1919	April to October, 1918
Cotton twist and yarn—foreign Mds	27,366	73,972	102,694	169,098
.. .. Indian "	16,761	16,260	287,946	225,420
.. piecegoods—foreign Rs	11,07,35,419	12,09,86,461	14,99,34,640	12,78,69,197
.. .. —Indian "	89,57,471	24,60,138	2,67,16,777	1,29,47,337
Kerosene oil (c) Mds	2,706,126	2,166,716	2,263,236	2,914,466
Salt "	2,841,862	5,426,995	6,487,426	4,626,947
Gunny bags No	.....	.....	65,184,640	80,160,365

(a) The imports by sea are coastwise imports from other Indian ports only.

(b) One maund of paddy is equivalent to 35 seers of rice.

(c) Including figures of Hudge-Hudge trade.

(d) The imports by sea include imports from other Indian ports, together with imports from foreign countries.

TABLE

Imports of Principal Articles into the Calcutta Trade Block by Rail, Road, River,

FOOD-GRAINS												
Whence Imported	Rice and paddy			Wheat	Wheat Sarr	Gram and pulse	Other food-grains	Total	Coal and coke	Cotton, raw	Cotton twist and yarn, Indian (b)	Cotton piece goods, Indian (b) (c)
	Rice	Paddy (a)	Total (in rice)									
BENGAL.	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs.
Burdwan	178,335	518,386	696,721	.....	277	8,321	176	439,151	32,991,648	.....	9	5,324
Birbhum	127,427	4,881	132,308	3,170	63	340	.....	138,321	.....	4	102	1,380
Bankura	2,620	60,323	62,943	2	34	218	1	41,676	173	3	181	49,067
Midnapur	1,046,335	51,729	1,098,064	.....	51	11,692	2	1,080,319	438	131	1,210	2,18,081
Hooghly	598,470	328,337	926,807	1,121	472	39,866	11,388	918,227	41,299	87	21,321	14,08,069
24-Parganas	1,284,283	846,366	2,130,649	427	80	11,582	2,638	1,669,440	74,118	880	14,818	5,78,000
Nadia	56,191	47,002	103,193	38,816	4,321	376,607	33,736	527,747	2	911	74	62,306
Murshidabad	23,728	727	24,455	32,744	396	139,988	34,321	241,773	90	24	5	2,304
Jessore	106,837	55,779	162,616	207	66	135,017	2,208	278,316	.....	1,865	9	1,364
Khulna	130,876	402,410	533,286	2,719	8	22,168	21	436,869	.....	324	5	4,774
Rajshahi	3,155	109	3,263	12,323	289	88,210	.....	101,779	.....	16	.....	4,480
Dinajpur	25,229	25,817	51,046	.....	.....	2,226	267	51,018	.....	13	.....	160
Jalpaiguri	330	1,633	1,963	.....	.....	.....	.....	1,663	.....	6	8	540
Darjeeling	426	1,629	2,055	.....	.....	16	80	1,480	.....	.....	.....	180
Naugpur	5,201	4,200	9,401	9,337	8	5,806	1,783	24,627	.....	129	13	1,900
Bogra	9,648	47,261	56,909	22	.....	4,688	2,459	46,395	.....	30	5	.....
Pabna	2,712	.....	2,712	39,918	1,277	164,567	767	198,641	.....	8	54	2,220
Malda	1,808	.....	1,808	19,705	1,192	14,339	7,007	43,460	.....	.....	21	239
Cooch Behar	422	.....	422	926	199	792	.....	1,819	.....	.....	6	.....
Dacca	20,601	213	20,814	1,648	192	22,284	7,048	32,406	.....	10,277	174	6,322
Mymensingh	974	.....	974	517	.....	9,464	10,344	21,289	.....	468	51	4,260
Faridpur	19,302	2,332	21,634	19,228	747	109,009	6,946	135,499	.....	687	98	2,871
Bakarganj	492,828	1,189	494,017	2	26	2,942	.....	497,841	.....	11	63	2,028
Tippah (including Mid-Tippah)	2,688	797	3,485	.....	.....	.....	726	4,449	.....	121	.....	.....
Norhall	4	.....	4	.....	.....	768	.....	767	.....	1	80	1,093
Chittagong	98,067	.....	98,067	2	42	4,089	.....	102,198	.....	2,331	.....	.....
Chittagong Port	2,155	.....	2,155	.....	.....	.....	.....	2,155	.....	.....	.....	.....
Total of Bengal	4,420,576	2,104,161	6,524,737	187,370	10,676	1,162,029	122,980	7,090,060	33,107,528	18,628	87,965	23,58,940
OTHER PROVINCES AND PLACES												
Bihar and Orissa	5,886	9,520	15,406	201,878	9,999	1,062,128	191,991	1,428,088	33,467,602	740	1,512	2,16,628
Assam	161,794	156,879	318,673	5,224	308	7,254	292	365,942	3,279	8	41	33,028
U. P. of Agra and Oudh	2,072	.....	2,072	1,267,490	62,419	426,686	20,027	1,763,494	.....	4,246	2,129	8,09,360
Punjab	6,126	.....	6,126	340,821	2,742	84,144	3,062	351,929	.....	4,774	1,074	2,01,249
Sind and British Baluchistan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	7,210
Central Provinces and Berar	424	7	431	.....	.....	1,616	126	2,078	.....	41,116	29,028	16,44,212
Bombay	.....	.....	.....	.....	1	1,359	2	1,362	2	5,781	62,029	4,22,80,913
Madras	.....	.....	.....	2,630	99	16,483	4	19,111	.....	13,803	22,465	22,16,744
Burma	8,907,674	3,028	8,910,702	883	.....	308,351	168,987	9,401,324	.....	1,119	.....	.....
Rajputana and Central India	260	.....	260	.....	78	84	444	823	2	.....	.....	5,22,120
Nizam's Territory	.....	.....	.....	.....	.....	.....	.....	.....	.....	481	125	24,000
Mysoor	.....	.....	.....	.....	1,258	.....	1,159	2,417	.....	.....	1,082	10,70,423
GRAND TOTAL	1919 13,394,411	2,274,509	15,668,920	1,876,004	97,420	2,048,422	481,983	20,323,707	66,588,602	90,823	148,228	5,24,70,639
	1918 6,441,286	1,643,717	8,085,003	8,424,263	46,463	2,414,360	322,053	16,012,921	49,511,284	61,604	189,683	2,98,64,445
	1917 5,920,412	943,017	6,863,429	8,547,483	106,327	2,398,387	296,493	16,706,384	47,979,091	59,777	252,270	2,43,98,949

(a) One maund of paddy is equivalent to 26 score of rice.

(b) Excluding trade by sea (coastwise).

(c) The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.

Canal, and Sea (Coastwise) in the seven months, April to October, 1919.

Cargo	JUTE		Lac	OILSEEDS		SUGAR			TOBACCO			Whence Imported	
	Bales of 400 lbs	Gunny-bags (c)		Linseed	Rape and mustard	Silk, raw	Refined	Un-refined	Tea, Indian	Unmanufactured	Manufactured		
Mds	Bales of 400 lbs	No	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	BUNDAL	
.....	3,243	98,37	82	739	3,283	.....	25	778	5	886	18	Burhwan
.....	.....	33,497	408	672	1,781	.....	80	5	1	.....	.....	Bichhum
.....	.....	17,361	49	.....	.....	.....	.....	.....	3	165	44	Bankura
.....	7,317	81,991	8	648	921	44	.....	42,090	.....	55	26	MKinapur
.....	86,071	66,182,309	.....	544	2,078	.....	23	66,000	.....	14,363	990	Hooghly
.....	109,146	138,668,782	.....	224	2,911	.....	12,870	28,518	34	8,169	2,905	24-Parganna
.....	64,477	30,633	.....	40,786	4,283	89	420	6,060	.....	10,456	16	Nadia
.....	13,360	11,999	1,521	28,847	2,089	1,143	3	120	.....	518	1,437	Murshidabad
.....	19,882	26,240	.....	1,422	2,240	.....	.....	71,759	.....	2,430	29	Jessore
.....	54,668	14,391	.....	2,864	1,610	.....	.....	661	.....	225	.....	Khulna
.....	70,104	2,596	.....	12,303	2,338	.....	.....	.....	.....	32	3	Itanahat
.....	46,730	100,614	.....	.....	1,853	.....	.....	5	.....	284	.....	Dumajpur
.....	57,295	39,196	13	.....	4,120	.....	.....	.....	698,841	161,315	6	Jaipalgarh
.....	8,423	8,979	.....	428	323	.....	.....	1	172,441	6,461	21	Darjeeling
.....	246,468	137,842	.....	4,419	1,457	.....	7	.....	14,298	153,948	6	Rangpur
.....	110,432	18,262	.....	2,379	9,703	.....	.....	3	3	.....	.....	Bogra
.....	137,634	27,101	.....	15,553	10,346	.....	28	.....	16	87	.....	Pabna
.....	10,866	616	19	2,156	1,014	161	.....	.....	.....	113	.....	Malda
.....	40,217	1,363	.....	.....	424	.....	.....	2,101	.....	26,413	.....	Cooch Behar
.....	564,324	31,794	6	1,642	1,925	.....	524	81	1,666	16	8	Dacca
.....	322,880	7,431	.....	617	5,816	.....	13	.....	.....	117	7	Mymensingh
.....	166,966	60,762	.....	3,400	10,438	.....	26	300	.....	91	13	Faridpur
.....	5,426	84,635	.....	906	139	.....	.....	260	89	.....	.....	Bakarganj
.....	83,894	2,886	.....	206	786	.....	.....	.....	28	.....	.....	Tippera (including Hill Tippera)
.....	249	5,813	.....	1,417	.....	.....	.....	.....	.....	.....	.....	Nonkhali
.....	48	9,963	.....	.....	642	.....	.....	.....	3,780	.....	3	Chittagong
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chittagong Port
.....	2,369,949	204,692,014	2,053	118,346	76,652	1,467	14,993	210,641	791,177	396,634	6,527	Total of Bengal	
OTHER PROVINCES AND PLACES													
.....	1,863	185,875	384,787	191,463	2,028,826	199,762	2,229	23,623	2,846	173,396	19,038	Bihar and Orissa
.....	107,749	72,611	22,041	63,521	100,634	101	3	21	1,023,783	126	62	Assam	
.....	1,680	384,868	94,486	898,709	338,688	.....	2,762	14,466	1,284	604	707	U. P. of Agra and Oudh
.....	.....	68,962	.....	225	121,797	.....	.....	401	51	21	10	Punjab
.....	.....	1,148	.....	.....	12,046	.....	.....	.....	57	6	12	Sind and British Baluchistan
.....	.....	128,740	12,304	82,204	3,436	5	.....	.....	33	142	1,823	Central Provinces and Berar
.....	.....	21,612	.....	.....	77,099	.....	1,979	3	49	6,638	80	Bombay
.....	.....	8,122	1,996	690	1,162	12	18,368	22,015	206	61,021	579	Madras
.....	.....	4,286	22,346	1	.....	.....	182	1,381	53	21,737	985	Burma
.....	.....	22,140	1,914	10,306	14,486	.....	.....	176	31	.....	9	Rajputana and Central India
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Nizam's Territory
.....	.....	.....	.....	.....	.....	.....	.....	647	18	1,408	.....	Mysore
.....	2,919	2,362,678	205,678,477	289,073	2,708,638	1,462,672	1,866	41,418	938,324	1,829,624	686,626	29,832	1919
.....	2,723	2,946,172	892,171,216	289,727	2,740,516	1,836,672	1,607	107,286	226,646	2,023,088	426,006	24,724	1918
.....	2,437	2,763,439	226,763,771	211,528	2,683,346	1,949,082	2,443	162,154	222,249	1,784,096	467,013	27,707	1917
GRAND TOTAL.													

(a) Excludes imports into the mills outside the Calcutta block, which are 1,658,878 bales, but includes imports into the Kidderpore Dock, namely, 47,745 bales.

(b) Including gunny cloth, 2 yards of cloth = 1 bag.

(c) Of them, 1,485,760 bales came by rail, 1,010,748 bales by river, 27,783 bales by road and 17,833 bales by sea.

TABLE III

Statement of the Routes by which the Articles enumerated in Table No. II were imported into the Calcutta Trade Block in the seven months, April to October, 1919.

Routes	FOOD-GRAINS						Coal and coke	Cotton, raw	Cotton twist and yarn, Indian (b)	Cotton piece goods, Indian (c)	Indigo	
	Rice	Paddy (a)	Wheat	Wheat flour	Gram and pulse	Other food-grains						
	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs	Mds	
By rail	E. I. R. Railway... E. B. Railway (including E. C. Railway)	257,828 812,891	613,878 363,394	1,030,379 230,328	76,107 9,378	1,235,184 779,884	128,193 69,567	41,410,370 3,748,027	9,569 1,715	3,622 1,528	21,23,817 6,45,821	1,861 86
	A.-B. Railway...	1,988	301	.....	.....	821	.....	.....	.....	82	3,815	...
	H.-N. Railway...	241,522	91,414	2	1,442	20,738	1,304	11,329,696	32,138	106,715	4,74,37,302	...
	B. & N.-W. Railway	441	.....	471,710	1	223,764	16,407	.....	416	16	7,353	1,324
	D.-S. Railway...	.....	.....	804	.....	.....	.....	.....	.....	.....	2,335	...
	Kalighat-Falta Railway	116,800	26,924	.....	.....	.....	.....	.....	.....	.....	.....	...
	Howrah-Amta and Howrah-Bankhala Light Railways	69,143	6,190	.....	24	10	.....	.....	.....	.....	30,710	...
By river steamer	Bengal ... and Bihar	386,737 50	12,888 2	10,878 84,636	645 9,398	51,483 23,875	38,613 6,385	30	12,891 24	418	2,35,436 924	...
	Orissa	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...
	Aman	42,698	95,697	760	60	1,386	302	3,379	3	6	30,342	...
	U. P. of Agra and Oudh	.....	.....	28	14	2,395	26	.....	6	.....	.....	...
By boat	.....	2,236,012	1,005,337	44,696	474	267,411	13,604	1,085	2,735	39,227	13,61,800	...
By road	.....	880,366	23,343	108	.....	1,416	1,606	84,974	457	6,671	7,02,374	...
By sea	.....	8,907,582	3,935	2,378	1	404,540	183,987	.....	9,132	.....	.....	...
Total	1919	12,594,411	2,274,202	1,876,604	97,439	2,048,427	484,863	56,568,804	90,723	144,338	5,24,70,939	2,919
	1918	6,441,384	1,842,717	3,631,263	48,468	2,416,360	222,093	49,811,358	61,604	185,633	2,93,64,446	8,701
	1917	5,960,912	942,017	6,267,433	108,527	2,366,237	296,493	47,079,091	89,277	263,390	2,43,08,949	2,401

Routes	JUTE		OILSEEDS				Silk, raw	SUGAR		Tea, Indian	TOBACCO	
	Raw (d)	Gunny bags (e)	Leo	Linseed	Rape and mustard	Refined		Unrefined	Unmanufactured		Manufactured	
By rail	Bales of 400 lbs	No.	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds
	E. I. R. Railway...	45,168	697,775	169,906	785,670	664,957	12	916	27,144	1,134	4,191	9,162
	E. B. Railway (including E. C. Railway)	1,478,944	706,039	18,012	114,616	94,681	808	23	41,655	808,873	518,604	1,485
	A.-B. Railway...	106	36,222	268	3,827	44	.....	1	.....	227,194	.....	24
	H.-N. Railway	1,406	365,568	116,695	66,552	18,346	23	19,322	16,054	2,943	39,800	2,100
	B. and N.-W. Railway	12,201	21,684	.....	2,164,238	267,009	.....	2,901	11,627	57	31,160	.....
	D. S. Railway	.....	.....	.....	.....	.....	.....	.....	.....	136,006	.....	.....
By river steamer	Kalighat-Falta Railway	.....	19,840	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Howrah-Amta and Howrah-Bankhala Light Railways	2,881	22,584	.....	23	.....	.....	8	860	.....	11	.....
	Bengal and Bihar	778,774	99,670	66	6,023	11,970	674	637	2,672	20,122	403	10,485
	Orissa	474	6,322	.....	238	6,670	.....	132	.....	.....	6,322	.....
By boat	Aman	37,627	20,094	2,319	64,264	66,071	41	2	2	612,722	.....	.....
	U. P. of Agra and Oudh	.....	228	.....	.....	227	.....	776	.....	.....	118	100
	By road	187,979	209,410,260	.....	8,406	16,791	.....	591	148,645	24	21,536	.....
By sea	By road	27,723	880,184	.....	80	.....	.....	12,704	20,634	.....	6,619	4,824
	By sea	17,222	81,166	22,716	1	7,107	.....	1,283	1,821	143	21,969	1,401
	Total	1919	2,862,672	206,973,477	239,072	2,208,856	1,433,673	1,336	41,418	228,226	1,629,624	680,676	29,801
	1918	2,246,173	198,171,719	226,777	2,280,916	1,866,822	1,607	107,236	286,266	2,022,088	426,006	29,701
	1917	2,242,489	210,765,711	211,222	262,256	1,949,082	2,443	168,124	222,749	1,784,008	467,012	27,701

(a) One mound of paddy is equivalent to 25 seers of rice.

(b) Excluding trade by sea (coastwise).

(c) The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.

(d) Excludes imports into the mills outside the Calcutta block, which are 16,59,979 bales, but includes imports into the Kidderpore Docks, namely, 48,245 bales.

(e) Including gunny-cloth, 2 yards of cloth=1 bag.

TABLE IV

Imports of certain Articles into the Port of Calcutta by Sea (Foreign and Coastwise) in the seven months, April to October, 1919.

	COTTON TWIST AND YARN		COTTON PIECE GOODS		Kerosene oil	Salt
	Foreign	Indian	Foreign	Indian		
FOREIGN—	Mds	Mds	Rs	Rs	Mds	Mds
From United Kingdom	18,078	.....	9,96,76,439	.....	5	1,185,906
" Other countries	5,935	.....	1,12,67,840	.....	1,791,692	4,705,636
Total ...	24,013	.....	10,79,44,279	.....	1,791,696	5,891,542
COASTWISE—						
From British Ports in—						
Bihar and Orissa	19	.....	.....	.....	.....	.....
Bombay	1,446	16,408	4,44,328	28,54,960	.....	.....
Madras	972	146	16,073	8,882	.....	.....
Burma	814	163	23,27,991	1,14,670	1,914,331	.....
Total ...	3,251	16,717	27,87,449	29,67,471	1,914,331	.....
GRAND TOTAL ... { 1919 ...	27,264	16,761	11,07,31,728	29,67,471	2,706,129	5,891,542
... { 1918 ...	79,972	16,260	19,09,65,481	29,60,129	2,164,715	5,496,905
... { 1917 ...	41,872	1,134	12,65,78,866	62,522	2,806,533	4,070,782

TABLE V.

Exports of Principal Articles from the Port of Calcutta by Sea (Coastwise and to Foreign Countries) in the seven months, April to October, 1919

	FOOD-GRAINS								Coal and coke	Cotton, raw	Cotton twist and yarn, Indian	Cotton piece-goods, Indian
	Rice	Paddy (a)	Total (in rice)	Wheat	Wheat flour	Gram and pulses	Other food-grains	Total				
	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Bales of 400 lbs	Mds	Rs
Coastwise—												
To British Ports in—												
Bengal ...	385	.....	245	.....	67	78	.....	425	372	11	894	4,730
Bihar and Orissa	25,477	.....	25,477	404	1,587	4,643	.....	30,403	2,614	.....	1,994	.....
Madras ...	888,645	114,305	955,028	8,509	524	675,617	66	1,422,709	241,303	.....	49	.....
Burma ...	4,575	.....	4,575	39,348	185,474	123,396	17,673	360,888	1,688,468	162	94,663	10,02,632
Total ...	891,982	114,305	963,560	48,601	187,632	616,946	17,739	1,834,295	2,031,947	173	97,507	10,07,362
Foreign—												
To United Kingdom	8	.....	8	80	.....	3,819	.....	3,807	3,108	2,769	.....	.....
.. Other countries	1,047,673	1	1,047,674	10,513	32,966	246,904	14,084	1,332,133	7,614,622	46,434	31,670	63,800
Total ...	1,047,681	1	1,047,682	10,593	32,966	249,723	14,034	1,335,930	7,617,730	49,203	31,670	63,800
GRAND TOTAL												
1919 ...	1,939,663	114,306	2,011,049	59,196	220,618	866,769	31,793	3,169,418	9,649,579	49,396	129,072	10,71,062
1918 ...	2,820,190	2,381	2,821,806	488,724	246,185	799,760	21,377	4,867,544	2,420,789	18,040	60,311	10,63,376
1917 ...	672,943	120	673,068	84,188	570,131	573,429	31,769	1,903,569	10,063,103	33,577	76,488	18,66,564

	JUTE				OILSEEDS			SUGAR			TOBACCO	
	Indigo	Raw	Gunny bags (b)	Linc	Linseed	Rape and mustard	Milk, raw	Refined	Un-refined	Ten. Indian	Un-manufactured	Manufactured
	Mds	Bales of 400 lbs	No	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds	Mds
Coastwise—												
To British Ports in—												
Bengal ...	.....	.....	633	.....	.....	.....	.....	1,906	62	6	235	26
Bihar and Orissa	.....	.....	5,771	.....	.....	188	.....	470	347	.....	1,323	196
Madras ...	328	9	327,593	108	.....	1,318	.....	92,361	.....	30	.....	.....
Burma ...	.....	198	20,362,418	230	.....	4,806	.....	25,604	3,880	8,436	116,308	2,346
Total ...	328	167	20,717,015	338	.....	6,263	.....	120,141	4,289	8,661	116,366	2,571
Foreign—												
To United Kingdom	1,414	512,323	76,448,480	96,498	2,575,189	9,611	1,363	7	.....	1,471,974	37,426	26
.. Other countries	7,769	847,118	493,049,436	214,431	934,537	46,713	1,976	6,728	4	124,631	48,924	2,013
Total ...	9,173	1,060,041	569,514,886	310,930	3,509,726	56,324	2,739	6,735	4	1,596,605	76,350	2,039
GRAND TOTAL												
1919 ...	9,411	1,060,308	590,381,971	311,335	3,509,726	67,586	3,368	126,874	4,292	1,608,366	192,716	4,609
1918 ...	21,612	1,800,140	769,358,227	341,362	1,015,367	236,982	3,161	12,064	683	1,916,662	120,619	6,241
1917 ...	15,013	648,736	794,371,326	344,593	816,819	170,340	3,984	2,368	2,006	1,678,429	155,677	2,313

(a) One maund of paddy is equivalent to 25 seers of rice.
 (b) Including gunny cloth, 3 yards of cloth = 1 bag.

TABLE VI

Exports of certain Articles from the Calcutta Trade Block by rail, road, river, canal, and sea (coastwise) in the seven months, April to October, 1919

Whither exported	COTTON TWIST & YARN		COTTON PIECEGOODS*		Gunny bags†	KEROSENE OIL		Salt
	Foreign	Indian	Foreign	Indian		From Calcutta block	From Budge-Budge‡	
BENGOAL	Mds	Mds	Rs	Rs	No	Mds	Mds	Mds
Burdwan	678	4,138	25,43,301	2,59,326	836,883	21,078	97,827	143,807
Birbhum	128	8,609	16,97,530	2,20,880	218,203	196	32,800	98,884
Bankura	184	4,246	6,36,148	8,833	86,879	80	...	60,373
Midnapur	9,603	8,196	36,66,908	2,69,336	304,847	11,039	79,304	293,827
Hooghly	4,494	417	9,33,457	1,67,983	297,303	36,377	92,246	166,311
24 Parganas	984	2,926	2,53,150	3,37,384	728,493	64,436	46,299	169,412
Nadia	1,823	32,760	54,53,244	6,09,128	616,088	4,963	84,768	297,373
Murshidabad	498	5,648	39,36,236	1,90,977	308,789	4,936	66,483	173,104
Jessore	1,377	4,073	14,08,916	3,16,329	346,492	8,087	37,673	96,646
Khulna	2,324	965	8,09,068	3,32,003	177,038	4,237	84,807	67,990
Rajshahi	27	697	27,46,681	3,64,922	179,339	2,318	36,406	70,979
Diwajpur	3	1,348	22,51,477	7,69,901	178,368	762	38,632	112,378
Jalpaiguri	190	3,759	34,86,733	7,17,488	168,808	1,768	31,003	168,042
Darjeeling	281	1,604	33,66,916	1,78,126	180,831	803	96,166	64,736
Rangpur	417	3,397	67,50,290	8,66,518	167,822	1,497	86,763	241,239
Bogra	19	1,436	2,40,466	30,36,876	132,840	2,096	47,700	146,240
Patna	2,904	4,874	29,63,376	10,88,326	304,630	631	168,203	176,119
Malda	118	4,403	18,80,310	2,37,142	129,130	96	2,490	40,366
Oooch Behar	86	680	18,64,921	1,90,686	66,367	144	18,016	52,446
Dacca	10,862	7,022	83,67,608	6,47,567	128,781	12,042	206,610	596,373
Mymensingh	4,610	4,009	32,76,742	40,88,666	76,242	232	81,666	821,304
Faridpur	8,747	1,610	20,38,380	8,47,661	179,680	7,446	36,967	163,730
Bakarganj	7,481	729	9,18,199	11,46,971	431,197	2,710	36,146	119,108
Tippera (including Hill Tippera) ...	2,480	7,807	31,37,506	67,304	108,691	608	750	63,961
Noakhali	2,311	6,414	12,26,114	3,47,288	39,278	60	21	1,944
Chittagong	4,508	330	9,67,066	5,42,710	166,999	41	89	1,756
Chittagong Port	23	633	12,34,042	2,30,377	6,724	...	...	16
Total of Bengal ...	67,829	110,599	6,69,06,468	1,69,77,262	6,284,846	197,886	1,637,926	2,468,621
OTHER PROVINCES AND PLACES								
Bihar and Orissa	7,708	61,239	2,35,61,801	1,18,67,813	3,900,164	3,480	764,708	1,446,804
Assam	11,098	9,368	1,35,44,327	21,83,454	633,037	8,116	61,297	480,443
U. P. of Agra and Oudh	1,686	2,646	1,81,60,286	29,84,334	7,161,979	1,746	770,986	6,081
Punjab	2,682	1,601	1,23,25,788	3,17,148	8,981,642	310	48,846	24
Siud and British Beluchistan ... ..	...	...	1,09,676	...	1,671,096	387	386	...
Central Provinces and Berar	16	843	10,21,236	1,47,349	1,764,941	1,189	16,978	2,608
Bombay	1,169	946	12,26,431	81,498	6,274,392	6,436	178	...
Madras	2,336	6,780	6,28,771	2,78,164	4,932,692	3,664	...	160
Burma	7,749	94,662	20,91,209	10,03,632	20,362,618	293	...	873
Rajputana and Central India	101	168	8,04,149	30,964	961,897	1,702	36,720	2
Kashmir State	47	1	1,923	...	41	...	...	...
Mizam's Territory ... ..	...	3	2,41,078	960	327,186	3,614	...	...
Mysore ... ..	...	...	2,054	1,222	239,071	...	...	...
Port Blair ... ..	...	296	8,200	4,720	622	...	...	...
1919 ...	102,493	287,946	14,98,34,640	3,62,16,777	66,184,880	229,262	2,123,694	2,867,426
GRAND TOTAL 1918 ...	159,083	224,490	12,78,89,197	1,29,47,927	80,150,882	171,990	2,742,568	4,624,987
1917 ...	116,872	219,010	14,64,19,897	1,29,20,640	53,623,030	224,821	2,116,286	4,061,066

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.

† Including gunny cloth, 3 yards of cloth = 1 bag.

‡ The exports of kerosene oil from Budge-Budge to Calcutta in the seven months, April to October, 1919, were 589,781 maunds, as against 555,814 maunds and 514,879 maunds in 1918 and 1917, respectively.

TABLE VII

Statement of the Routes by which the Articles enumerated in Table No. VI were exported from the Calcutta Trade Block in the seven months, April to October, 1919

Routes.	COTTON TWIST AND YARN		COTTON PIECE-GOODS*		Gunny baggs†	KEROSENE OIL		Salt
	Foreign	Indian	Foreign	Indian		From Calcutta Block	From Budget-Block	
	Mds	Mds	Rs	Rs	No	Mts	Mds	Mds
E. I. Railway ...	7,376	41,336	8,49,98,148	83,00,918	8,379,610	22,787	927,593	797,271
E. B. Railway (including B. O. Railway)	3,996	66,030	4,17,33,539	1,13,50,397	3,862,144	33,144	326,064	1,781,938
A. B. Railway ...	1,659	16,098	92,99,014	7,33,833	161,883	1,769	439	97,264
B. N. Railway ...	1,161	23,536	46,16,369	14,12,549	3,509,938	6,001	3,910	624,743
B. & N. W. Railway ...	160	7,106	3,07,66,041	61,33,387	2,987,085	1,347	406,086	336,663
O. & R. Railway ...	461	460	25,48,324	3,44,904	966,013	809	231,841	47
Howrah-Amta and Howrah-Bankura Light Railways	1,363	...	3,13,215	...	36,777	6,780	...	19,311
By rail ...								
N. W. Railway ...	1,634	569	89,33,136	74,773	3,161,368	90	11,862	...
G. I. P. Railway ...	1,243	773	17,17,308	1,03,157	6,637,967	7,069	7,497	2
B. E. & C. I. Railway ...	173	401	8,73,603	16,323	1,605,619	167	4,693	...
M. & S. M. Railway ...	2,000	3,914	4,47,000	1,48,473	2,880,947	2,706	...	20
S. I. Railway ...	14	196	1,038	42,346	697,581	...	...	...
J. B. Railway ...	...	9	3,87,856	18,760	132,180	378	456	...
N. G. S. Railway ...	...	2	2,41,091	660	2,24,734	3,514	...	...
Other Railways ...	116	2	6,30,389	1,31,862	160,064	1,102	31,164	10,331
Bengal ...	32,441	16,000	1,68,99,001	64,89,341	1,377,682	22,123	666,394	893,364
Bihar and Orissa ...	714	883	4,56,766	1,73,356	1,637,179	14	...	1,196
By river steamer								
Assam ...	10,455	3,616	87,88,724	36,59,357	596,396	4,916	12,650	250,193
U. P. of Agra and Oudh	56	28	1,02,074	10,684	188,646	60	...	...
By boat	6,070	...	4,30,080	47,390	370,706	31,940	186,069	593,259
By road	4,328	373	7,37,069	4,56,617	323,197	71,009	4,034	66,361
By sea	8,637	97,309	30,00,064	10,07,669	30,717,015	...	13,600	13,068
1919 ...	102,693	297,946	14,90,34,640	3,63,16,777	66,184,880	229,693	2,133,664	6,237,433
Total ... 1918 ...	159,093	936,490	18,76,09,197	1,39,47,387	80,110,589	171,890	2,742,468	4,636,967
1917 ...	116,372	249,010	14,64,19,897	1,39,99,646	39,333,030	236,821	3,116,386	4,041,066

* The value rates are fixed quarterly and the monthly valuation is made at the value rates of the preceding quarter.

† Including gunny cloth, 3 yards of cloth=1 bag.

DEPARTMENT OF STATISTICS, INDIA,

D. N. GHOSH,

December 29, 1919.

Offg. Director of Statistics.

Statement of Weekly Gauge-readings on the River Ganges at Rampur-Boalia for the week ending the 20th December 1919.

Date.	Hour.	Height of surface above or below zero : minus sign for those below zero.	Height of surface above mean sea-level according to P. W. D. datum.(a)	Height of surface above mean sea-level on the same date last year according to P. W. D. datum.(a)	Remarks.
1919.					
14th December	8 A.M.	Zero of gauge is at mean sea level.	40.35	39.06	B. M. on Collage step corrected, 64.93.
15th "	8 "		40.20	39.01	
16th "	8 "		40.10	38.96	
17th "	8 "		40.05	38.91	
18th "	8 "		40.00	38.81	
19th "	8 "		39.90	38.71	
20th "	8 "		39.80	38.61	

(a) P. W. D. datum 6.25 feet above Kidderpore old dock sill.

			Old value.	According to P. W. D. datum.
The previous year	Highest water-level	...	66.52 on 30th August 1918	61.71
Ditto	Lowest	...	41.70 on 21st April 1918	36.89
Record	Highest	...	69.25 on 26th August 1879	64.44
Do.	Ditto	...	69.08 on 8th September 1885	64.27
Do.	Ditto	...	68.30 on 26th August 1906	63.47
Do.	Ditto	...	68.21 on 26th August 1890	63.40
Do.	Lowest	...	37.63 on 26th April 1884	32.82
Do.	Ditto	...	38.13 on 14th-15th April 1886	33.32
Do.	Ditto	...	39.02 on 21st-22nd April 1897	34.21
Do.	Ditto	...	39.28 on 6th-7th May 1908	34.47

N.B.—The gauge-readings commenced from 1st August 1887.

BOALIA,
The 20th December 1919.

M. SEN GUPTA,
Executive Engineer, Rajshahi Divn.

Statement showing the gauge-readings at Dacca Water-works Station on the river Buriganga for the week ending the 6th December 1919.

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 3 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919.							
30th Nov.	54.7	15-0	55.5	10-45	54.3	55.2	F. T. at 10-15, and E. T. at 14-45.
1st Dec.	55.0	16-30	55.5	11-18	54.5	55.3	F. T. at 11-30, and E. T. at 16-40.
2nd "	54.86	17-28	55.4	12-20	54.4	55.3	F. T. at 12-30, and E. T. at 17-35.
3rd "	54.9	..	...	13-15	54.3	55.0	F. T. at 13-25.
4th "	55.0	...	...	14-20	54.25	54.8	F. T. at 14-35.
5th "	55.2	7-0	55.2	15-35	54.2	54.5	E. T. at 7-10, and F. T. at 15-45.
6th "	55.10	8-30	55.38	16-30	54.2	54.3	E. T. at 8-40, and F. T. at 16-42.

Notable high and low water-levels of previous years.

27th August	1906	70.5	Taken at high tide.
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	68.85
1st "	1911	...	...	...	68.48
18th "	1912	...	...	...	67.16
21st "	1916	...	...	...	68.7
18th "	1916	68.1	Taken at low tide.
12th "	1917	...	...	...	67.1
31st "	1918	...	...	...	69.12
28th February	1907	...	...	...	51.06
18th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	50.60	Taken at low tide.
22nd February	1915	...	...	...	50.30
15th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	51.40	

DACCA,
The 10th December 1919.

W. J. KERR,
Executive Engineer, Dacca Division

**Statement showing the gauge readings at Dacca Water-works Station
on the river Buriganga for the week ending the 13th December 1919.**

Date.	At 7 A.M.	AT HIGHEST WATER.		AT LOWEST WATER.		At 5 P.M.	Remarks.
		Time.	Readings.	Time.	Readings.		
1919							
7th Dec.	55.26	9.30	55.4	17.20	54.18	54.2	R. T. at 9.45, and F. T. at 17.30.
8th "	55.0	10.48	55.6	...	...	54.35	R. T. at 11.
9th "	54.6	11.55	55.8	7.0	54.6	54.78	F. T. at 7.10, and R. T. at 12.4.
10th "	54.6	13.0	55.7	7.50	54.5	55.2	F. T. at 8, and R. T. at 12.10.
11th "	54.5	14.5	55.6	8.40	54.3	55.0	F. T. at 9.45, and R. T. at 14.20.
12th "	54.3	15.12	55.52	9.38	54.0	55.0	F. T. at 9.45, and R. T. at 16.35.
13th "	54.0	16.0	55.40	10.30	53.6	55.20	F. T. at 10.45, and R. T. at 18.15.

Notable—high and low water levels of previous years.

27th August	1906	70.5	Taken at high tide.
5th September	1909	...	...	...	67.86
10th August	1910	...	...	...	69.86
18th "	1911	...	...	...	68.46
13th "	1912	...	...	...	67.16
21st "	1915	...	...	...	69.7
18th "	1916	...	...	...	68.1
12th "	1917	...	...	...	67.1
31st "	1918	69.12	Taken at low tide.
23rd February	1907	...	...	...	51.08
13th "	1908	...	...	...	51.06
12th March	1912	...	...	...	51.06
6th "	1914	...	...	...	50.60
22nd February	1915	...	...	...	50.20
15th "	1916	...	...	...	50.60
3rd March	1917	...	...	...	51.0
21st February	1918	...	...	...	51.40

DACCA,
The 22nd December 1919.

W. J. KERR,
Executive Engineer, Dacca Division.